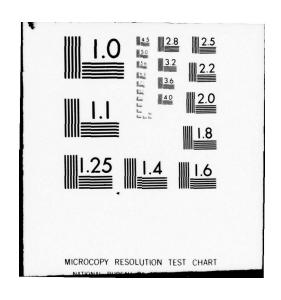
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) SANTA AN--ETC(U) JUL 78 AD-A063 833 UNCLASSIFIED NL 1 OF 4 AD A063833





ロールートリー 26 JAN 1979

EE8E20A-JA

SECURITY CLASSIFICATION OF THIS PAGE (When Pote Entered)

| REPORT DOCUMENTATION F | PAGE | | READ INSTRUCTIONS ORE COMPLETING FORM |
|--|---|----------------------------------|---|
| 1. REPORT NUMBER | 2. GOVT ACCESSION NO. | 3. RECIPIE | NT'S CATALOG NUMBER |
| 4. TITLE (and Subtitio) | | 5. TYPE OF | REPORT & PERIOD COVERED |
| Summary of Meteorological Observat | ions, Surface | Referen | nce report 1945-1977 |
| (SMOS) Santa Ana, CA | | 6. PERFOR | MING ORG. REPORT NUMBER |
| 7. AUTHOR(a) | | 8. CONTRA | CT OR GRANT NUMBER(*) |
| N/A | | | |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001 | | 10. PROGRA | AM ELEMENT, PROJECT, TASK Work unit numbers |
| 11. CONTROLLING OFFICE NAME AND ADDRESS Director, Naval Oceanography and M | lotoomology | 12. REPOR | |
| National Space Technology Laborato | | July 1 | OF PAGES |
| NSTL Station, MS 39529 | from Controlling Office) | 358 | TY CLASS. (of this report) |
| THE MONITORING ASSETS THE A ASSETS THE AMERICAN | | | sified |
| | | 15a. DECLA | SSIFICATION/DOWNGRADING |
| 16. DISTRIBUTION STATEMENT (of this Report) | - | | ACCESSION for |
| Approved for public release; distr | ibution unlimite | ed. | NTIS Milital Section DDC 9_IF Section UNANNOUNCED |
| 17. DISTRIBUTION STATEMENT (of the abstract entered in | n Block 20, Il different from | m Report) | |
| | | | DISTRIBUTION/AVAILABILITY OCCES |
| | | | Dist. AVAIL and or SPECIAL |
| 18. SUPPLEMENTARY NOTES | | | A |
| 19. KEY WORDS (Continue on reverse side it necessary and Climatology, surface wind, temperature relative humidity, station pressure daily temperature, weather condition facility, coastal region, snow dept | ture, precipitate, extreme tempe ons, monthly clith, cloud cover, | ion, cei ratures, matology | sea level pressure, , Naval shore |
| This data report consists of a six weather observations. The six part Atmospheric Phenomena, Part B - Pre Part C - Surface Winds, Part D - Ce Part E - Psychrometric Summaries, F | part statistica ts are: Part A ecipitation/Snow eiling versus Vi | - Weather fall/Snow sibility | r Conditions/ w Depth, / Sky Cover. |

| | | | | | | | 1 | | | | |
|-----------------------|--|---------------------|------------------------------|------------------------|-----------------------------------|----------------------|-------|---|--------------------|--|--|
| 6.18 | | 560 | 044 | Var | : | = | | ¥08 | | | |
| NUO NUME. P | | SOVE WSL | TYPE BAROWETER | Mercurial | = | Aneroid | | DR PEASON FOR CHA | | -121) (GMQ-13) | GAQ-14B |
| CALL SIGN KNTK | STORY | ELEVATION ABOVE MSL | 1334 | 61 | 61 | 63 | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE | Barograph (ML-3-A) | Ceiling light ($ML-121$) Cloud height set ($GMQ-13$) Theodolite ($R-18-T$ 5 R) | Transmissometer (GMQ-10) Semi-auto met sta (GMQ-14B) |
| STATION ELEV (FT.) | TION HI | | TOWN TOWN | 117°49'W | 117°50'W | : | | REMARKS, ADDIT | 1. Barograp | | 6. Transmis 7. Semi-aut |
| LONGITUDE 117°50'W | ENTA | JULIU TITAL | | 33°42'N | = | | | HT ABOVE | 200, | 10, | |
| 101 | STRUM | NO | 10 | 1965 | | | | TYPE OF | | RD-108B | |
| 14717UDE 33°42'N | NOZ | AT THIS LOCATION | FROW | 1951 | 1965 | 1966 | | TYPE OF | *Selsyn | **UMQ-5 | |
| | A N | TYPE | STATION | MCAF | : | : | | | | | nown. |
| Santa Ana, California | STATION LOCATION AND INSTRUMENTATION HISTORY | | カライア のとうこくかつ ドライン・アイス はんていかん | Weather service office | West wall, weather service office | console | | NOTATION | Atop hangar | 150' west of runway 24 | * Date disassembled unknown. ** Date first installed unknown. |
| SUMMARY | | | | Weather s | West wall | la. GMQ, 14B console | | CHANGE | Installed | 1960 | , |
| 93114 | | NUMBER OF BARD | LOCATION | 1. | 2. | la. | 0.000 | OF LOCATION | 1. | la. | |

Q

NWSD, Federal Building Asheville, N. C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- All available data will be used for extreme values.
- Summarize (update) every five years.
- 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. will be included for extreme values.
- The update in 1983 will include the POR 1973 through 1982, with all available data through 1982
- The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS pre-pared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some Questionable values will most likely be single occurrences shown by a percentage fre-(This value indicates a percent less than ".05," which, in most cases, reflects a single occurrence of an occasional spurious value should not in itself be considered significant. Every effort after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data Since most stations summarized now have in excess of 10,000 3-hourly observations, the is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms. could be valid. quency of ".0". observation.)

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- . By month and annual, all hours and years combined.
- By month and annual, all hours and years combined, by wind direction.
- . By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - In inded are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Since more than one type of precipitation may be reported in the same Percentage of observations with precipitation - Included in this category are the observations when one or observation, the sums of the individual categories may exceed the total columns. more of the above phenomena occurred.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the "% Total" indicates percentage frequency Column totals show the number of observations. of occurrences. Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations may be reported in the same observation, the sums of the individual categories may exceed the percentage when one or more of the above obstructions to vision occurred. Since more than one type of obstruction

Percentages The total number of observations may vary among tables within the same month and period. may not always equal 100.0 due to rounding practices. NOTE:

B

WEATHER CONDITIONS

93114 SANTA ANA, CALTEDRNIA STATION NAME

73

73-77

YEARS

NAS

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

0

| TOTAL NO. OF OBS. | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 185 | | 1240 |
|------------------------------------|------|------|------|------|------|------|------|------|--|----------|
| % OF OBS WITH OBST TO VISION | 19.4 | 20.0 | 53.9 | 26.5 | 23.2 | 25.2 | 16.1 | 18.7 | | 21.6 |
| DUST AND/OR SAND | | | | | • | | | | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 2.6 | 1,3 | 3,2 | 20.0 | 20.0 | 22.6 | 0.6 | 4.5 | | 10.4 |
| 50 | 16.8 | 18.7 | 20.6 | 7.1 | 3.2 | 2.6 | 7.1 | 14.2 | | 5.7 11.2 |
| % OF OBS WITH PRECIP. | 7,1 | 3.9 | 7,1 | 5.2 | 9.6 | æ. | 8,6 | 5.2 | | 7.7 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 7.1 | 3.9 | 7.1 | 8. | 8 | 80 | . S. | 5.2 | | |
| THUNDER- STORMS | | 1 | | | | | | | | |
| HOURS (L.S.T.) | 10 | * | 07 | 10 | 13 | 10 | 19 | 22 | | |
| МОМТН | NAC | | | | | | | | | TOTALS |

. 0

(0)

SANTA ANA, CALIFORNIA STATION

73-77

FEB

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| NO. OF OBS. | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | | 1128 |
|------------------------------------|------|------|------|------|------|------|------|------|--|---------------|
| % OF OBS WITH OBST TO VISION | 24.1 | 27.7 | 29,1 | 36.2 | 28.4 | 19.9 | 12.1 | 15.6 | | 24.1 |
| DUST AND/OR SAND | | | | | | | | | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 2.8 | 1.4 | 3,5 | 85,5 | 84,8 | 17.0 | 4.9 | 2,1 | | 10.4 |
| FOG | 21.3 | 2.92 | 29.5 | 10.6 | 3.3 | 2.8 | 5.7 | 13.5 | | 6.3 13.7 10.4 |
| % OF OBS WITH PRECIP. | 4,3 | 7.1 | 5.7 | 7.1 | 9.9 | 7,1 | 5,7 | 7.1 | | 6.3 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 4.3 | 7.1 | m. | 7.1 | 4.6 | 7.1 | 10. | 7,1 | | 6.3 |
| THUNDER. STORMS | | | | | 1.4 | | | | | |
| HOURS (L.S.T.) | 10 | 40 | 07 | 9 | 13 | 16 | 19 | 22 | | |
| MONTH | 658 | | | | | | | | | TOTALS |

| CALIFORNI | STATION NA |
|------------|------------|
| ANA | |
| SANTA ANAS | |
| 93114 | STATION |

0

000

73-77

YEARS

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS.

-0

0

| TOTAL NO. OF OBS. | 155 | 155 | 155 | 155 | 195 | 155 | 155 | 155 | | 1240 |
|------------------------------------|-----|------|------|------|------|-----|-----|-----|--|--------|
| % OF OBS WITH OBST TO VISION | 8.4 | 10.3 | 22.6 | 18.1 | 16.1 | 7.7 | 5.2 | 6.5 | | 11.9 |
| DUST AND/OR SAND | | | | | | | | | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 2.6 | 1.3 | 5.8 | 14.8 | 14.8 | 7.1 | 3.2 | 9. | | 6,3 |
| 50 | 6.5 | 9.7 | 17.4 | 8 | 1.3 | 9 | 1.9 | 5.8 | | 80 |
| % OF OBS WITH PRECIP. | 4.5 | 7,1 | 8. | 6.9 | 5.2 | 1.9 | 4.3 | 3.9 | | 8.8 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 4.5 | 7,1 | 4.6 | 6,5 | 5,2 | 1.9 | 4.5 | 3.9 | | 80 |
| THUNDER- STORMS | | | | 9. | | | | | | .2 |
| HOURS (L.S.T.) | 10 | 40 | 6 | 10 | 13 | 16 | 19 | 22 | | |
| MONTH | MAR | | | | | | | | | TOTALS |

40

0

0

0

41

1

. 3

1

3

_1

5701 WEATHER CONDITIONS JAN 68 WEATHER CONDITIONS

73-77

SANTA ANAS CALIFORNIA

93114 STATION

APR.

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|---------|------------------------|------------------------------------|-------------------------|
| APR | 10 | | 4.0 | | | | 4.0 | 11.3 | 5.3 | | | 16.7 | 150 |
| | *0 | | 4.7 | | | | 4.7 | 17.3 | 4.7 | | | 20.7 | 150 |
| | 07 | | 4.0 | | | | 0.4 | 14.7 | 13.3 | | | 28.0 | 150 |
| | 2 | | 6. | | | | 8.8 | 2.0 | 23.3 | | | 25,3 | 150 |
| | 13 | | 2.7 | | | | 2,7 | | 20.7 | | | 20.7 | 150 |
| | 92 | | 2.7 | | | | 2.7 | | 13.3 | | | 13,3 | 150 |
| | 19 | | 3.3 | | | | 3.3 | 3.3 | 8.7 | | | 12.0 | 150 |
| | 22 | | 4.0 | | | | 4.0 | 8.0 | 5.3 | | | 12.7 | 150 |
| | | | | | _ | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 3.6 | | | | 3.6 | 7.1 | 11.8 | | | 18,7 | 1200 |

SISSE GRACINATE SHT VE GSTUIRS

93114 SANTA ANA, CALIFORNIA

O

0

0

0

0

0

0

0.

0

0 10

73-77

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | 506 | SMOKE AND/OR HAZE | BLOWING | AND/OR SAND | % OF OBS WITH OBST TO VISION | NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|---------|----------------|------------------------------------|----------------|
| MAY | 10 | | 4.5 | | | | 4.5 | 21.3 | 5,2 | | | 26,5 | 155 |
| | 90 | | 7.6 | | | | 9.7 | 27.7 | 4.5 | | | 31.6 | 155 |
| | 0.7 | | 7.6 | | | | 9.7 | 31.6 | 20.6 | | | 50,3 | 155 |
| | 10 | | 9. | | | | 9. | 5.2 | 34,2 | | | 38.7 | 155 |
| | 13 | | 2.6 | | | | 2.6 | | 29.7 | | | 29.7 | 155 |
| | 16 | | • | | | | 9. | | 21.3 | | | 21,3 | 185 |
| | 19 | | 1.9 | | | | 1.9 | | 18.1 | | | 23.2 | 155 |
| | 22 | | 1.3 | | | | 1.3 | 14.3 | 8.4 | | | 22,1 | 154 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 3.9 | | | | 3.9 | 13.2 | 17.8 | | | 30.4 | 1239 |

93114 STATION

SANTA ANA, CALIFORNIA

73-77

YEARS

NONTH NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH HOURS THUMBER RAIN REEZHOG SNOWN HALL STORMS CHANGOR LAND, OR AND CREATED SNOWN HALL STORMS CHANGOR SNOWN CHANGOR CHANGO | | | | | | | | | | | |
|--|------------------------------------|------|------|------|------|------|------|------|------|------|--------|
| HOUNDS THUNDER AND REEZING SNOW HAIL STORMS STORMS AND OR SLOWING | NO. OF OBS. | 150 | 150 | 190 | 150 | 150 | 150 | 190 | 150 | | 1200 |
| HOURS THUNDER RAIN REEZING SNOW HAIL OBS WITH FOG AND OR SNOWH OBS WITH FOG AND OR SNOW HAIL OBS WITH FOUR FOR SNOW HAIL OBS WITH | % OF OBS WITH OBST TO VISION | 31,3 | 45,3 | 70.0 | 55,3 | 40.1 | 26.7 | 24.7 | 23.3 | | 39,7 |
| HOURS THUNDER RAIN FREEZING SNOW HAIL ST. STORMS AND OR AN | DUST AND/OR SAND | | | | | | | | | | |
| HOURS THUNDER RAIN FREEZING SNOW HAIL OBS WITH FOG A STORMS PRIZZIE SIEFT AND/OR HAIL OBS WITH FOG A SIEFT OF S.3 38.0 0.4 5.3 | BLOWING | | | | | | | | | | |
| HOURS THUNDER- AND/OR RAIN & SNOW (L.S.T.) O1 | SMOKE AND/OR HAZE | 10.0 | 8.0 | 28.7 | 52,0 | 40.7 | 26.7 | 23,3 | 9.3 | | 24.8 |
| HOURS THUNDER RAIN REEZING SNOW AND/OR HAIL OSS (L.S.T.) STORMS DRIZZLE DRIZZLE SIEET PR 2.0 10 10 10 2.0 11.3 12.3 13.3 14.3 | 8 | 21.3 | 38.0 | 41.3 | 3,3 | | | 1.3 | 14.0 | | 14.9 |
| HOURS THUNDER. RAIN FREEZING SNOW (L.S.T.) STORMS DRIZZIE DRIZZIE SLEET 0.1 1.3 5.3 1.0 6.7 1.0 6.7 1.0 7.0 1.0 8.3 2.0 8.3 1.0 8.3 2.0 8.3 1.0 8.3 1.0 8.3 2.0 8.3 1.0 9.3 | % OF OBS WITH PRECIP. | 1,3 | 5.3 | 6.7 | 2.0 | | | | 1.3 | | 2.2 |
| HOURS THUNDER. RAIN FREEZING (L.S.T.) STORMS DRIZZLE DRIZZLE 0.4 S.3 0.7 6.7 1.9 1.9 2.0 1.9 2.0 1.9 | HAIL | | | | | | | | | | |
| HOURS THUNDER- RAIN (L.S.T.) STORMS DRIZZLE DRIZZLE DRIZZLE D. 2 . 0 . 7 . 6 . 7 . 6 . 7 . 19 . 2 . 0 | SNOW AND/OR SLEET | | | | | | | | | | |
| HOURS THUNDER. AND STORMS DRI | FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| HOURS (LST.) 01 04 07 07 13 13 19 19 22 22 | RAIN AND/OR DRIZZLE | 1.3 | 8.3 | 6.7 | 2.0 | | | | 1.3 | | 2.2 |
| δ.2. | THUNDER- STORMS | | | | | | | | | | |
| MONTH CCN TH | - | 10 | *0 | 07 | 10 | 13 | 16 | 19 | 22 | | |
| | MONTH | N CO | | | | | | | | | TOTALS |

0

0

0

0

0

WEATHER CONDITIONS

93114 SANTA ANA, CALIFORNIA STATION NAME

73-77

TEARS

1

J. HOW

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

.0

0

0

0

| HOURS THUNDER RAIN REEDING SHOWN RAIN OSS SHOWN CAST STOCKAS STO | | | | 10 | | | | | | | - | |
|--|------------------------------------|------|------|------|------|------|------|------|------|------|---|--------|
| HOURS THUNDER. AND/OR AND AND/OR HAIL OS, OF HAIR OS, | NO. OF OBS. | 155 | 155 | 155 | 155 | 155 | 195 | 155 | 155 | | | 1240 |
| HOURS THUNDER AND REEZING SNOW AND OR HAIL OF SWORE BLOWING CLS.1.) STORMS DRIZZLE SNOW 1.3 37.4 12.9 13 .6 .6 .6 .6 .6 .6 .6 .7 .7 19 .6 .6 .7 .7 | % OF OBS WITH OBST TO VISION | 31.0 | 49.7 | 74.8 | 56,1 | 37.4 | 22.6 | 6.65 | 22.6 | | | 39.8 |
| HOURS THUNDER PAIN FREEING SNOW ALL OSS WITH FOG AND/OR AN | AND/OR SAND | | | | | | | | | | | |
| HOURS THUNDER RAIN FREZING SNOW S, OF AND/OR RAIN L/OR AND/OR HAIL OSS WITH FOG AND/OR 1.3 STORMS DRIZZLE DRIZ | BLOWING | | | | | | | | | | | |
| HOURS THUNDER RAIN FREEZING SNOW AND/OR HAIL OBS W (L.S.T.) 504 11.3 506 11.3 509 1 | SMOKE AND/OR HAZE | 0.6 | 12,9 | 40.6 | 54.2 | 37.4 | 52,6 | 20.0 | 7.7 | | | 45.6 |
| HOURS THUNDER RAIN FREEZING SNOW % O | 8 | 22.6 | 37.4 | 35.5 | 1.9 | | | 3.9 | 14.8 | | | 16.5 |
| HOURS THUNDER AND OR RAIN ALOR AND OR SNOW (L.S.T.) STORMS DRIZZIE DRIZZIE SIEET 10 10 10 16 16 16 19 22 | % OF OBS WITH PRECIP. | | 1,3 | 3.9 | • | 9. | 9. | | | | | 6. |
| HOURS THUNDER- RAIN FREEZING (L.S.T.) STORMS DRIZZLE D | HAIL | | | | | | | | | | | |
| HOURS THUNDER. AND/OR AND/OR ORIZZIE DRIZZIE DRIZZIE DRIZZIE 10 6 6 1 1 9 6 6 1 9 6 6 1 9 6 6 6 6 6 6 6 | SNOW AND/OR SLEET | | | | | | | | | | | |
| HOURS THUNDER- AN STORMS DR 10 07 07 19 19 19 22 | FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | | |
| HOURS THUNDER. (L.S.T.) STORMS 01 07 07 13 14 19 22 | RAIN AND/OR DRIZZLE | | 1.3 | 3.9 | •• | •• | 4. | | | | | 6. |
| HOURS (LS.T.) 01 04 07 07 07 08 13 13 13 22 | the sales and sales are sales | | | | | | | | | | | |
| JUL | | 10 | *0 | 10 | 10 | 13 | 16 | 19 | 22 | | | |
| | MONTH | 100 | | | | | | | | | | TOTALS |

_1

SANTA ANA, CALIFORNIA 93114 STATION

73-77

YEARS

AUG

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

0

| TOTAL NO. OF OBS. | 195 | 155 | 155 | 155 | 185 | 155 | 155 | 155 | | 1240 |
|------------------------------------|------|------|------|------|------|------|------|------|--|---------------|
| % OF OBS WITH OBST TO VISION | 32,3 | 0.64 | 72,3 | 63.2 | 47.7 | 26.5 | 25.2 | 22.6 | | 45.4 |
| AND/OR SAND | | | | | | | | | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 6.5 | 7.7 | 30.3 | 59.4 | 47.1 | 25.2 | 23.2 | 4.6 | | 26.0 |
| Pog | 25.8 | 41.3 | 41.9 | 3.9 | • | 1.3 | 6:1 | 16.2 | | 1.0 16.4 26.0 |
| % OF OBS WITH PRECIP. | 1.9 | • | 1,3 | 9. | 1.3 | 9. | 1,3 | • | | 1,0 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 1.9 | • | 1.3 | • | 1.3 | 9. | 1.3 | 9. | | 1.0 |
| THUNDER- STORMS | | | | | | | | | | |
| HOURS (L.S.T.) | 10 | * | 0.1 | 10 | 13 | 16 | 19 | 22 | | |
| МОМТН | AUG | | | | | | | | | TOTALS |

SANTA ANAS CALIFORNIA STATION MANE 93114

73-77

SEP

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER COMDITIONS FROM HOURLY OBSERVATIONS

| NO. OF OBS. | 150 | 150 | 150 | 180 | 150 | 150 | 150 | 150 | | 1200 |
|------------------------------------|------|------|------|------|------|------|------|------|--|---------------|
| % OF OBS WITH OBST TO VISION | 32,7 | 0.44 | 1.09 | 1.00 | 46.0 | 30.0 | 26.7 | 26.0 | | 6000 |
| AND/OR SAND | | | | | | | | | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 9,3 | 11.3 | 20.7 | 55.3 | 44.7 | 30.0 | 17.3 | 12.0 | | 25.1 |
| 80 | 23.3 | 32.7 | 0.04 | 0.9 | 1.3 | | 9.3 | 0.01 | | 2,2 15,8 25,1 |
| % OF OBS WITH PRECIP. | 2.7 | 3,3 | 6.0 | 1.3 | 1.3 | 1,3 | 1,3 | | | 2,2 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN & OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 2.7 | 3.3 | 6.0 | 1.3 | 1,3 | 1.3 | 1.3 | | | 2.2 |
| THUNDER- STORMS | | | | | | | | | | |
| HOURS (L.S.T.) | 10 | 40 | 10 | 10 | 13 | 91 | 19 | 22 | | |
| МОМТН | SEP | | | | | | | | | TOTALS |

0 0 0

0

0

Ē

WEATHER CONDITIONS

93114 STATION

0

SANTA ANA, CALIFORNIA

73-77

YEARS

10CT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| OBST TOTAL OBST NO. OF SION OBS. | 40.6 155 | 43.9 155 | 58,5 195 | 51.6 155 | 41.9 155 | 33.5 155 | 28.4 195 | 32.9 155 | | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
| DUST % OF OBS AND/OR WITH OBST SAND TO VISION | • | • | 3 | • | • | 3 | 2 | 8 | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 7.7 | 4.5 | 14.8 | 47.7 | 41.9 | 32.9 | 21.3 | 5.8 | | |
| PoG | 32.9 | 39.4 | 40.6 | 3.9 | | 9. | 7.1 | 27.7 | | |
| % OF OBS WITH PRECIP. | 1,3 | 6.5 | 10,3 | 1.9 | 1,3 | 9. | \$ | | | |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 1.3 | 6.9 | 10.3 | 1.9 | 1.3 | • | • | | | |
| THUNDER- STORMS | | | | | | | | | | |
| HOURS (L.S.T.) | 10 | 8 | 10 | 10 | 13 | 16 | 19 | 22 | | |
| MONTH | 100 | | | | | | 32 | | | |

I

WEATHER CONDITIONS

SANTA ANA, CALIFORNIA 93114 STATION

73-77

YEARS

NON

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| TOTAL NO. OF OBS. | 150 | 190 | 150 | 150 | 150 | 150 | 150 | 150 | | 1200 |
|-------------------------------------|------|------|------|------|------|------|------|------|--|---------------|
| % OF OBST WITH OBST TO VISION | 30.0 | 30.7 | 31.3 | 34.0 | 32.0 | 28.7 | 24.7 | 30.0 | | 30.2 |
| AND/OR SAND | | | | | | | | | | |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 0.9 | 0.0 | 4.3 | 24.0 | 31,3 | 28.7 | 16.7 | 8.7 | | 15,8 |
| 500 | 24.0 | 7.42 | 26.7 | 10.0 | | | 8.0 | 21.3 | | 2.2 14.4 15.8 |
| % OF OBS WITH PRECIP. | 2.0 | 4.7 | 0.4 | 1,3 | | | 1,3 | 2.7 | | 2.2 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 2.0 | 4.7 | 4.0 | 1.3 | ., | | 1.3 | 2.7 | | 2.2 |
| THUNDER- STORMS | | | | | | | | | | •2 |
| HOURS (L.S.T.) | 10 | *0 | 07 | 10 | 13 | 10 | 19 | 22 | | |
| MONTH | NOV | | | | | | | | | TOTALS |

SANTA ANAS CALIFORNIA 93114

0

0

0

.0

73-77

DEC

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| NO. OF OBS. | 155 | 195 | 155 | 155 | 155 | 155 | 155 | 155 | | 1240 |
|------------------------------------|------|------|------|------|------|------|------|------|--|---------------|
| % OF OBS WITH OBST TO VISION | 33,5 | 31.6 | 35.5 | 0.04 | 38.7 | 34,2 | 25,8 | 29.7 | | 33.6 |
| DUST AND/OR SAND | | | | 9. | | 9. | | | | .2 |
| BLOWING | | | | | | | | | | |
| SMOKE AND/OR HAZE | 4.5 | 1.9 | 7.7 | 29.7 | 36.1 | 31.0 | 11.6 | 5.8 | | 16.0 |
| 500 | 29.0 | 29.7 | 28.4 | 10.3 | 5.6 | 5.6 | 14.2 | 23.9 | | 4.6 17.6 16.0 |
| % OF OBS WITH PRECIP. | 5.2 | 0.6 | 3,2 | 3,2 | 3.9 | ., | 2.6 | 5.2 | | 4.6 |
| HAIL | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | E) | 0.6 | 3.2 | | 3.9 | 4.5 | 2.6 | 5.2 | | 4.6 |
| THUNDER- STORMS | | | | | • | | | | | |
| HOURS (LS.T.) | 10 | *0 | 07 | 10 | 13 | 16 | 61 | 22 | | |
| МОМТН | DEC | | | | | | | | | TOTALS |

WEATHER CONDITIONS

SANTA ANAS CALIFORNIA

93114

73-77

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| 7-9-5 | _ | _ | _ | | ~ | _ | | _ | ~ | 0 | | ~ | _ |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| NO. OF OBS. | 1240 | 1128 | 1240 | 1200 | 1239 | 1200 | 1240 | 1240 | 1200 | 1240 | 1200 | 1240 | 14607 |
| % OF OBS WITH OBST TO VISION | 21.6 | 24.1 | 11.9 | 18.7 | 30.4 | 39.7 | 39.8 | 45.4 | 6.04 | 41.0 | 30.2 | 33.6 | 31.2 |
| DUST AND/OR SAND | .1 | | | | | | | | | | | .2 | 0. |
| BLOWING | | | | | | | | | | | | | |
| SMOKE AND/OR HAZE | 10.4 | 10.4 | 6.3 | 11.8 | 17.8 | 84.8 | 55.6 | 26.0 | 25.1 | 22,1 | 15,8 | 16.0 | 17.7 |
| FOG | 11.3 | 13.7 | 8. | 7.1 | 13.2 | 14.9 | 14.5 | 16.4 | 15.8 | 19.0 | 16.4 | 17.6 | 13.6 |
| % OF OBS WITH PRECIP. | 5.7 | 6,3 | 5,3 | 3.6 | 3.9 | 2,2 | 6. | 1.0 | 2,2 | 2,8 | 2,2 | 4.6 | 3.6 |
| HAIL | | | | | | | | | | | | | |
| SNOW AND/OR SLEET | | | | | | | | | | | | | |
| FREEZING RAIN &/OR DRIZZLE | | | | | | | | | | | | | |
| RAIN AND/OR DRIZZLE | 5.7 | 6.3 | 5,3 | 3.6 | 3.9 | 2.2 | 6. | 1.0 | 2,2 | 2 | 2,2 | 4.6 | 3.4 |
| THUNDER. STORMS | | .3 | .2 | | | | | | | | • 2 | | - |
| HOURS (L.S.T.) | ALL | | | | | | | | | | | | |
| MONTH | JAN | FEB | MAR | APR | MAY | N S | 100 | AUG | SEP | 130 | NO. | DEC | TOTALS |

0

0.0

0

0

WEATHER CONDITIONS ATMOSPHERIC PHENDHENA

SANTA ANAS CALIFORNIA 93114 STATION

91-52, 63,

68-77

ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA PROM DAILY DBSERVATIONS

| HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | 90 | SMOKE AND/OR HAZE | BLOWING | AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|---------|----------------|------------------------------------|-------------------------|
| | 1.0 | 26.3 | | | | 26,33 | *: | 40.0 | | 6. | 53.9 | 293 |
| | 1.9 | 25.2 | | | 4. | 25.2 | 45.0 | 43.1 | | | 56.1 | 262 |
| | 2.6 | 22.3 | | | | 22,3 | 37.4 | 34.2 | | | 43.9 | 310 |
| - | 4. | 16.8 | | | | 16.8 | 28.7 | 27.6 | | | 37.6 | 279 |
| - | | 23.2 | | | | 23.2 | 48.5 | 49.0 | | | 56.1 | 310 |
| | 1.0 | 21.7 | | | | 21.7 | 54.0 | 62.7 | | | 70.0 | 300 |
| | 63 | 7.1 | | | | 7,1 | 57.7 | 73.8 | | | 80.1 | 336 |
| | 3 | 6.1 | | | | 6.1 | 48.1 | 4.69 | | .3 | 73.9 | 310 |
| | 2.8 | 12.5 | | | | 12.5 | 51.2 | 9.99 | | | 71.8 | 287 |
| 1 | 2.2 | 1.61 | | | 4. | 19.7 | 47.7 | 55.6 | | * | 62.7 | 279 |
| 1 | 1.3 | 13.2 | | | | 18.2 | 45.5 | 46.2 | | .3 | 57.0 | 314 |
| 1 | 1.9 | 24.8 | | | .3 | 24.8 | 43.7 | 43.1 | | | 54.1 | 318 |
| | 1.3 | 18.7 | | 0 | .2 | 18.7 | 45.6 | 51.0 | | .1 | 59.8 | 3598 |

JANUARY JAN 73 - DEC 77 SANTA ANA, CALIFORNIA

ALL HOURS (L.S.T.)

| NO WEATHER | 75.0 | 82.5 | 88.0 | 82.2 | 79.5 | 63.2 | 67.3 | 65.9 | 72.2 | 64.3 | 10.6 | 0.09 | 71.6 | 77.1 | 73.3 | 85.7 | | X | 921 | 74.3 |
|---|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|----------|-----------|-------|---------|
| SAND SAND AND DUST | | | 1.0 | | | | | | | | | | | | | | | X | - | |
| BLOWING | | | | | | | | | | | | | | | | | | X | | |
| SMOKE | | 2.5 | 3.0 | 5.5 | 5.5 | 5.3 | 6.1 | 2.3 | 2.8 | 19.0 | 17.6 | 32.0 | 52.0 | 14.1 | 13.3 | 7.1 | | X | 128 | 10.3 |
| ICE FOG GROUND FOG | 7.1 | 10.0 | 2.0 | 4.1 | 8.9 | 5.3 | | 4.5 | | 2.4 | 2.9 | 2.7 | 1.8 | | 6.7 | | | X | 69 | 9.6 |
| 902 | 7.1 | 5.0 | 3.0 | 0.8 | 2.7 | 10.5 | 12.2 | 13.6 | 11.1 | 4.3 | 6.6 | 0.4 | 2.8 | | 6.7 | 7.1 | | X | 11 | 5.7 |
| THUNDER | | | | | | | | | | | | | | | | | | X | | |
| HAIL SMALL HAIL | | | | | | | | | | | | | | | | | | X | | |
| SNOW GRAINS PELLETS SHOWERS | | | | | | | | | | | | | | | | | | X | | |
| SLEET "SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | \bigvee | | |
| FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | | | | 1.4 | | 5.3 | | 2.3 | 2 . 8 | 7.1 | | | | 2.9 | | | | X | 12 | 1.0 |
| SHOWERS | 3.5 | | 1.0 | | 1.4 | | 6.1 | 6.9 | 8.3 | | 6.5 | 1.3 | 1.3 | | | | | 77 | 17 | 1.4 |
| N A | 7.1 | | 2.0 | 4.1 | 5.3 | 15.3 | 8.2 | 11.4 | 8.3 | 7.1 | | 1.3 | 6. | 5.7 | 0.7 | | | X | 4 | 3.4 |
| WIND | z | NNE | NE | ENE | E | ESE | SE | SSE | s | SSW | SW | WSW | * | MNM | MN | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

0

0

0

0

SANTA ANAS CALIFORNIA 93114 STATION

0

0

0

JAN 73 - DEC 77

| | L.S.T.) |
|----------|---------|
| ALL | HOURS |
| * | |
| PEBRUARY | MONTH |
| - | |

| NEATHER | 0 | 200 | 86.2 | 89.4 | 79.5 | 71.6 | 56.5 | 9.49 | 29.0 | 2.99 | 66.7 | 61.1 | 72.7 | 74.8 | 09.0 | 15.0 | 1.99 | | 2 | 408 | 71.3 |
|------------------------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------|-------|---------|
| SAND SAND AND DUST | | | | | | | | | | | | | | | | | | | \bigvee | | |
| BLOWING | | | | | | | | | | | | | | | | | | | \bigvee | | |
| SMOKE | | | | * .0 | 3.4 | 1.4 | 10.9 | 6.9 | | 15.7 | 19.3 | 2.22 | 41.8 | 6.22 | 10.0 | 62.0 | 10.1 | | | 117 | 10.4 |
| GROUND GROUND | 2 | 6064 | | 2.1 | 4.5 | 1.64 | 2.2 | 6.3 | | 1.4 | 1.8 | 2.0 | 6. | | 200 | | | | Y | 25 | 4.6 |
| 20 | 1 | | 3.4 | 2.1 | 11.4 | 16.2 | 19.6 | 10.4 | 17.9 | 6.11 | 3.5 | 2.8 | 0 | | 15.0 | | 16.7 | | X | 103 | 9.1 |
| THUNDER | 1 | | | | | | | | | | | 2.6 | | | | | | | M | • | |
| HAIL | TAIL | | | | | | | | | | | | | | | | | | M | | |
| SNOW GRAINS PELLETS | 231000 | | | | | | | | | | | | | | | | | | M | | |
| SLEET " SHOWERS ICE | CRYSTALS | | | | | | | | | | | | | | | | | | \bigvee | | |
| FREEZING RAIN FREEZING | DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | | | 3.4 | | | | | 2.1 | 5.1 | 1.64 | 100 | | | | | | | | \bigvee | 0 | |
| RAIN | | | 3.4 | | | 0.0 | 6.9 | 4.2 | 9.52 | 4.2 | 5.3 | 5.6 | 2.7 | 1.0 | 5.0 | | | | \bigvee | 34 | 3.0 |
| RAIN | - | 100 | 3.4 | | 1.1 | 4.1 | 6.9 | 12,5 | 5.1 | 0.7 | 3.5 | 5.6 | 6. | 0.1 | 0.01 | | | | X | 31 | 2.7 |
| WIND | | z | NNE | NE | ENE | u u | ESE | SE | SSE | S | SSW | NS. | WSW | 3 | *×× | M.V. | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,128

NAVWEASERVCOM

| NO WEATHER | 0.00 | | 0.69 | 87.8 | 87.2 | 68.6 | 73.9 | 73.3 | 76.1 | 79.7 | 91.5 | 4.06 | 89.1 | 83.6 | 61.9 | 100.0 | 0.09 | | XXX | 1041 | 84.0 |
|--------------------------------------|----------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|----------|-----------|-------|---------|
| SAND AND AND | | | | | | | | | | | | | | | | | | | \bigvee | | |
| BLOWING | | | | | | | | | | | | | | | | | | | \bigvee | | |
| SMOKE | | | 13.0 | 6,1 | 5.1 | . 3 | | 3.3 | 4.3 | 6.8 | 4.9 | 9.6 | 7.3 | 12.9 | 19.0 | | 0.04 | | X | 78 | 6.9 |
| GROUND GROUND | 3 | | 4.3 | 2.0 | 2.6 | 9.8 | 2.2 | | 4.3 | 1.3 | | | | | | | | | X | 28 | 2.3 |
| 50 | | | | 6.1 | 7.7 | 11.8 | 10.9 | 1.7 | 6.5 | 2.5 | | | 1.5 | . 7 | 14.3 | | | | X | ** | 3.5 |
| THUNDER | | 1 | 6.3 | | | | 2.2 | | | | | | | | | | | | X | 2 | 2. |
| HAIL | TAIL | 1 | | | | | | | | | | | | | | | | | X | | |
| SNOW GRAINS PELLETS SHOWERS | | 1 | | | | | | | | | | | | | | | | | \bigvee | | |
| SLEET SHOWERS | CKTSTALS | | | | | | | | | | | | | | | | | | \bigvee | | |
| | DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | | | | | | | | 1.7 | 2.2 | | | | | ., | | | | | \bigvee | 6 | |
| RAIN | | 2 | 4.3 | | | 2.0 | 6.5 | 5.7 | 8.7 | | 2.4 | | 1.5 | 2.1 | 9.6 | | | | X | 27 | 2.2 |
| RAIN | | | 4.3 | | | 3.9 | 9.7 | 13.3 | 2.2 | 11.4 | 1.2 | 1.9 | . 7 | | 6.5 | | | | X | 33 | K1 |
| WIND | z | 1 | NNE | NE | ENE | w | ESE | SE | SSE | S | SSW | SW | WSW | * | WNW | *N | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,240

| ALL | HOURS (L.S.T.) |
|-----------------------|----------------|
| APRIL | MONTH |
| JAN 73 - DEC 77 | YEARS |
| SANTA ANAS CALIFORNIA | STATION NAME |
| 13114 | STATION |

| NO | 68.9 | 72.7 | 91.7 | 66.7 | 79.2 | 80.5 | 1.68 | 75.0 | 1.97 | 77.0 | 76.7 | 75.5 | 82.3 | 87.5 | 0.06 | 25.0 | | X | 146 | 78.9 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------|-------|---------|
| SAND AND DUST | | | | | | | | | | | | | | | | | | X | | |
| BLOWING | | | | | | | | | | | | | | | | | | \bigvee | | |
| SMOKE HAZE | 11.1 | | | 6.1 | 7.7 | 9.8 | 1.8 | 8.9 | 13.0 | 17.2 | 16.4 | 1.63 | 12.8 | 2.4 | 0.01 | 20.0 | | X | 139 | 11.6 |
| GROUND FOG | | | | 3.0 | | 6.4 | 3.6 | 4.4 | 3.4 | 2.3 | 1.4 | | | | | | | N N | 28 | 2.3 |
| 509 | | 27.3 | 4.2 | 18.2 | 12.5 | 5.5 | 9.0 | 0.00 | | 7.7 | 2.7 | | 6.9 | | | 25.0 | | X | 5 | 6.8 |
| THUNDER | | | | | | | | | | | | | | | | | | \bigvee | | |
| HAIL SMALL HAIL | | | | | | | | | | | | | | | | | | M | | |
| SNOW GRAINS PELLETS SHOWERS | | | | | | | | | | | | | | | | | | M | | |
| SLEET " SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | M | | |
| FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | | | | 6.1 | | 5.4 | | 2.2 | 2.2 | | | | | | | | | \bigvee | • | . 5 |
| RAIN | | | | 3.0 | 4.2 | 5.4 | 3.6 | | 5.4 | 1.1 | 2.7 | | | 00 | | | | X | 28 | 2.1 |
| N A | | | 4.2 | 3.0 | | | | 2.2 | 707 | | | | 2.1 | | | 25.0 | | X | 12 | 0.1 |
| WIND | z | NNE | NE | ENE | B | ESE | SE | SSE | S | SSW | NS. | WSW | 3 | WNW | WN | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,200

2

NAVWEASERVCOM

0

| ALL | HOURS (L.S.T.) |
|-----------------------|----------------|
| AA | MONTH |
| JAN 73 - DEC 77 | YEARS |
| SANTA ANA, CALIFORNIA | STATION NAME |
| 93114 | STATION |

0

| WEATHER | 45.5 | | 20.0 | 71.4 | 61.8 | 69.7 | 63.8 | 76.8 | 70.4 | 76.4 | 75.0 | 65.9 | 70.5 | 58.8 | 62.5 | 66.7 | | No. | 248 | 08.2 |
|---|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---|-------|---------|
| BLOWING SAND AND DUST | | | | | | | | | | | | | | | | | | M | | |
| BLOWING | | | | | | | | | | | | | | | | | | \bigvee | | |
| SMOKE | 36.4 | 50.0 | 20.02 | 14.3 | 26.5 | 6.1 | 12.8 | 10.7 | 15.7 | 15.7 | 17.3 | 26.2 | 23.9 | 41.2 | 37.5 | 33 | | N. A. | 219 | 17.7 |
| ICE FOG GROUND FOG | | 50.0 | 20.0 | | | 6.1 | 4.0 | 1.8 | 2.8 | 1,6 | 1.0 | 1.2 | 2 03 | | | | | N. A. | 32 | 1.6 |
| 500 | 18.2 | | 20.0 | 14.3 | 14.7 | 15.2 | 14.9 | 12.5 | 8.3 | 6.3 | 5.0 | 6.1 | 2.3 | | | | | | 132 | 10.7 |
| THUNDER | | | | | | | | | | | | | | | | | | M | | |
| HAIL SMALL HAIL | | | | | | | | | | | | | | | | | | M | | |
| GRAINS GRAINS PELLETS | | | | | | | | | | | | | | | | | | M | | |
| SLEET SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | M | | |
| FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | | | M | | |
| DRIZZLE | | | | | | | 2.1 | | 3.7 | 1.6 | 6 | 2.4 | 1.7 | | | | | X | 10) | 2 . 3 |
| RAIN | | | | | | | | | 1.9 | | 1.9 | 1.8 | 9. | | | | | X | 0 | ., |
| NIA | | | 20.0 | | 5.5 | 3.0 | 4.3 | | | | | | | | | | | X | 60 | 9. |
| WIND | z | NNE | NE | ENE | ш | ESE | SE | SSE | S | SSW | SW | WSW | * | WNW | WN | NNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,239

| ALL | 00RS (L.S.T.) | NO WEATHER | 25.0 | 50.0 | 61.5 | 66.7 | 58.3 | 0.69 | 57.1 | 53.0 | 56.1 | 71.8 | 66.7 | 0.49 | 56.5 | 42.1 | 30.0 | 15.0 |
|-----------------------|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Ĭ | BLOWING SAND AND DUST | | | | | | | | | | | | | | | | |
| CUNE | N O N | BLOWING | | | | | | | | | | | | | | | | |
| | | SMOKE | 25.0 | | 23.1 | | 6.3 | 6.9 | 51.4 | 25.6 | 21.6 | 18.2 | 24.1 | 32.0 | 39.1 | 45.1 | 0.04 | 45.0 |
| | | ICE FOG GROUND FOG | | | 1.01 | 11.1 | | | | | 2.2 | | 4.6 | 9. | 1.0 | | | |
| 11 | YEARS | 500 | 50.0 | 20.0 | 7.7 | 25.2 | 33.3 | 24.1 | 21.4 | 15.4 | 17.3 | 9.1 | 3.4 | 2.2 | 2.4 | 10.8 | 30.0 | |
| JAN 73 - DEC 77 | | THUNDER | | | | | | | | | | | | | | | | |
| JAN 73 | | HAIL SMALL HAIL | | | | | | | | | | | | | | | | |
| | | SNOW GRAINS PELETS SHOWERS | | | | | | | | | | | | | | | | |
| | | SLEET " SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | |
| DRNIA | 7 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z | FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | |
| SANTA ANAS CALIFORNIA | 51 A T | DRIZZLE | | | | 22.2 | 12.5 | | | 5.1 | 2.0 | 6. | 1.1 | 9 | | | 10.0 | |
| ANA | | RAIN | | | | | | | | | | | | | s. | | | |
| SANTA | | A N | | | | | | 3.4 | | 2.6 | | | | | | | | |
| 93114 | STATION | WIND | z | AN N | Ä | E NE | Ш | ESE | SE | SSE | s | SSW | SW | WSW | 3 | WNW | MN | MNN |

TOTAL NUMBER OF OBSERVATIONS

1,200

00

59.8

291 64.3

21

13.2

53

% TOTAL

0

TOTAL

VARIABLE

CALM

NA SA

N. C.

SX.

NAVWEASERVCOM

JAM 73 - DEC 77

SANTA ANAS CALIFORNIA

| RAIN RAIN DRIZZLE SHOWERS | | | | | | | | | | .9 1. | | | | | |
|---|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|
| FREEDING SLEET RAIN SHOWERS FREEDING ICE DRIZZLE CRYSTALS | | | | | | | | | 6.1 | 1.7 | | | 4. | | |
| WERS SNOW GRAINS PELETS | | | | | | | | | | | | | | | |
| HAIL SMALL THUNDER HAIL | | | | | | | | | | | | | | | |
| F06 | 25.0 | 0.04 | 33,3 | 33.3 | 27.6 | 22.7 | 26.7 | 20.6 | 20.0 | 5.1 | 6.9 | 1.5 | 3.5 | 13,3 | |
| GE FOG GROUND FOG TOG | | | 16.7 | 11.1 | 3.4 | 9.1 | | - | | 1.7 | | | 2.2 | 3.3 | |
| SMOKE BLO HAZE S | 50.0 | 20.0 | | 25.2 | 20.7 | 18.2 | 16.7 | 14.7 | 15.2 | 17.9 | 21,8 | 29.6 | 35.4 | 0.04 | 60.09 |
| BLOWING SAND AND SNOW DUST | | | | | | | | | | | | | | | |
| NO WEATHER | 25.0 | *0* | 50. | 33. | 48. | 50. | 609 | 040 | 040 | 74. | 71. | 67. | 26. | 43. | 20. |

TOTAL NUMBER OF OBSERVATIONS

1,240

0.09 744

314

30

120

NA SA

NAVWEASERVCOM

0

0

VARIABLE

CALM

e.

% TOTAL

TOTAL

| ALL | HOURS (L.S. |
|-----------------------|--------------|
| AUGUST | x 7x02 |
| JAN 73 - DEC 77 | 64Y31 |
| SANTA ANAS CALIFORNIA | STATION NAME |
| 93114 | STATION |

| NO WEATHER | 0.09 | 33,3 | 47.1 | 0.00 | 40.1 | 34.4 | 47.6 | 4.4. | 60.09 | 54.5 | 63.8 | 9.49 | 6000 | 40. | 63.6 | 16.7 | | 7 | 710 | 57.3 |
|---|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|----------|---|-------|---------|
| SAND SAND AND DUST | | | | | | | | | | | | | | | | | | X | | |
| BLOWING | | | | | | | | | | | | | | | | | | M | | |
| SMOKE | 20.0 | 33.3 | 5.9 | 13,3 | 25.2 | 13.6 | 14.3 | 0.62 | 50.9 | 36.4 | 34.5 | 34.2 | 35.0 | 24.5 | 61.3 | 33.3 | | N. A. | 321 | 69.62 |
| 00 00 00 00 00 00 00 00 00 00 00 00 00 | | | 11.8 | 6.7 | | | 9.5 | 4.5 | 4.7 | 2.6 | | | 1.04 | | | | | X | 36 | 2.9 |
| 8 | 20.0 | 33.3 | 35.3 | 20.0 | 37.0 | 20.0 | 58.6 | 20.5 | 14.0 | 6.5 | | 6. | . 6 | | 1.6 | 33.3 | | N. C. | 167 | 13.5 |
| THUNDER | | | | | | | | | | | | | | | | | | X | | |
| HAIL HAIL | | | | | | | | | | | | | | | | | | M | | |
| SNOW GRAINS PRILETS SHOWERS | | | | | | | | | | | | | | | | | | \bigvee | | |
| SLEET SHOWERS CE CRYSTALS | | | | | | | | | | | | | | | | | | M | | |
| FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DWZZLE | | | | | | | | | 1.2 | | | 4. | | | | | | X | V. | |
| SHOWERS | | | | | | | 6.3 | | | | | 4. | | | | 33.3 | | \bigvee | 80 | 4. |
| NIAS | | | | | | 3.1 | * | 4.3 | | | 1.7 | | | 4.3 | | | | M | 0 | |
| WIND | z | NNE | NE | ENE | w | ESE | SE | SSE | s | SSW | MS | WSW | * | MNA | MN | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,240

ALL

SEPTEMBER

JAN 73 - DEC 77

SANTA AMAS CALIFORNIA

0

0

0

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

| - | MN | MNM | * | WSW | SW | SSW | 5 | SSE | SE | ESE | Ε | ENE | NE | NNE | z | WIND |
|------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|-------|------|--|
| 2 3 | | | | | | 6.5 | | | | | | | | | 20.0 | NAS. |
| | | | 9. | | | | 1.1 | | | | | | | | | RAIN |
| 0 | 8.3 | 3.4 | 1.7 | | | 2.6 | 1.1 | | 3.2 | 4.3 | | 7.1 | | | 10.0 | Delizie |
| | | | | | | | | | | | | | | | | REEZING RAIN FREEZING DRIZZLE |
| | | | | | | | | | | | | | | | | SLEET " SHOWERS ICE CRYSTALS |
| | | | | | | | | | | | | | | | | SNOW GRAINS PRLETS SHOWERS |
| | | | | | | | | | | | | | | | | HAIL SMALL HAIL |
| | | 3.4 | 9. | | | | 1,1 | | | | | | | | | THUNDER |
| 17.6 | 16.7 | 10.3 | 4.7 | 1.0 | | 6.9 | 14.3 | 35.0 | 19.4 | 39.1 | 35.3 | 21,4 | | | 30.0 | 8 |
| | 8,3 | | | 1,6 | | 2,6 | | 2.0 | 6.9 | 4.3 | | 1.1 | 11,1 | | | GE FOG GROUND FOG |
| 47.1 | 16.7 | 37.9 | 37 | | 38,3 | | 2007 | | 12.9 | - | 17.6 | 21.4 | 4.44 | 60.09 | 50.0 | SMOKE |
| | | | | | | | | | | | | | | | | BLOWING |
| | | | | | | | | | | | | | | | | BLOWING SAND AND DUST |
| 20.6 | 58. | ** | 55. | 909 | 61. | 67.3 | 58. | 45. | 58. | 39. | 41. | 200 | 44. | 40.0 | | NO WEATHER |

TOTAL NUMBER OF OBSERVATIONS

1,200

35.6

\$ 1 PM

669 58.3

300

64

141

16

% TOTAL

TOTAL

CALM

| 93114 | SANTA ANA, CALIFORNIA | JAN 73 - DEC 77 | 0C108ER | ALL |
|-------|-----------------------|-----------------|---------|---------------|
| | STATION NAME | SHERY | MONTH | HOURS (L.S.T. |

| NO WEATHER | 58. | 50.0 | 9.09 | 53.2 | 31.7 | 65.9 | 51.1 | 20.0 | 57.4 | 48.2 | 0.09 | 2.19 | 1.29 | 58.1 | 0.06 | 18.2 | | ** | 119 | 38.0 |
|--|------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------|-------|---------|
| BLOWING SAND AND DUST | | | | | | | | | | | | | | | | | | \bigvee | | |
| BLOWING | | | | | | | | | | | | | | | | | | \bigvee | | |
| SMOKE | 35.3 | 12.5 | 15.1 | 8.5 | 1.4.1 | 6.2 | 10.3 | 51.4 | 1.22 | 45.9 | 34.0 | 37.0 | 33.5 | 36.7 | 10.0 | 24.5 | | NY. | 274 | 1.22 |
| 00 00 00 00 00 00 00 00 00 00 00 00 00 | 5.9 | 8.3 | 3.0 | 4.3 | 7.3 | 5.9 | 6.9 | | 1.3 | 1.0 | 0.4 | 9. | 1.2 | | | | | | 38 | 3.1 |
| 8 | | 29.2 | 24.2 | 34.0 | 41.5 | 58.6 | 20.1 | 25.0 | 17.6 | 6.8 | | 1.2 | 5.5 | 3.2 | | 27.3 | | N. A. | 6 | 16.0 |
| THUNDER | | | | | | | | | | | | | | | | | | \bigvee | | |
| HAIL SMALL HAIL | | | | | | | | | | | | | | | | | | M | | |
| SNOW ORAINS PRILETS SHOWERS | | | | | | | | | | | | | | | | | | \bigvee | | |
| SLEET SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | M | | |
| FREEDNG RAIN FREEDNG DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | 3.0 | 12.5 | 3.0 | 00 | 6.4 | 2.9 | | 3.6 | 5.0 | | | 6. | | | | | | X | 2 | 1.7 |
| RAIN | | | | | | | | 3.5 | | | 2.0 | | 1.2 | | | | | X | 1 | 9. |
| NA. | | | | | 5.4 | 5.9 | 10.3 | | 1.5 | | | | 9. | | | | | \bigvee | 7 | 0. |
| WIND | z | NNE | NE NE | ENE | w | ESE | SE | SSE | s | SSW | SW | WSW | * | MNM | WN | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,240

7

NAVWEASERVCOM

ALL HOURS (L.S.T.) NOVEMBER JAN 73 - DEC 77 SANTA ANA, CALIFORNIA 93114 STATION

| NO | 85.7 | 94.4 | 75.9 | 84.6 | 66.7 | 64.1 | 62.5 | 17.8 | 17.1 | 68.6 | 76.2 | 65.9 | 70.3 | 71.8 | 66.7 | 57.1 | | | 824 | 68.7 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------|-------|---------|
| SAND SAND AND DUST | | | | | | | | | | | | | | | | | | M | | |
| BLOWING | | | | | | | | | | | | | | | | | | \bigvee | | |
| SMOKE | 7.1 | | 9.3 | 7.7 | 13.6 | 10.3 | 12.5 | 2.8 | 5.9 | 20.0 | 23.8 | 33.7 | 26.1 | 23.1 | 16.7 | 21.4 | | T. | 186 | 15.5 |
| ICE FOG GROUND FOG | | | 1.9 | 1.3 | 4.5 | 2.6 | | 2.8 | 5.7 | | | | | | | 7.1 | | N N | 4.5 | 3.8 |
| 50 | 7.1 | 12.5 | 13.0 | 4.9 | 13.6 | 17.9 | 21.9 | 13.9 | 14.3 | 11.4 | | | - | 9.5 | E3 | 14.3 | | | 128 | 10.7 |
| THUNDER | | | | | | | 3.1 | | | | | | | | | | | 7 | N | .2 |
| HAIL SMALL HAIL | | | | | | | | | | | | | | | | | | M | | |
| SNOW GRAINS PELLETS SHOWERS | | | | | | | | | | | | | | | | | | M | | |
| SLEET " SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | M | | |
| FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | | | | | | 2.6 | | 2.8 | | | | | | | | | | X | an | 49. |
| RAIN | | 3.1 | | | 1.5 | 2.6 | | | | | | | 1.2 | 2.6 | 00 | | | X | 11 | 6. |
| Z Z | | | | | 1.5 | 2.6 | 6.3 | 5.6 | 5.7 | 5.9 | | | 9. | | | | | M | 10 | |
| WIND | z | NNE | NE | ENE | E | ESE | SE | SSE | s | SSW | SW | WSW | * | WNW | WN | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,200

6.3

ॗ

| ALL | HOURS (L.S.T.) |
|-----------------------|----------------|
| DECEMBER | 111007 |
| JAN 73 - DEC 77 | S से म च x |
| SANTA ANAS CALIFORNIA | MAN VOTATION |
| 93114 | STATION |

| NO WEATHER | 78.9 | 59.3 | 63.8 | 10.9 | 4.69 | 62.2 | 65.5 | 43.2 | 0.69 | 67.6 | 64.7 | 47.8 | 63.4 | 0.89 | 45.9 | 11.4 | | X | 786 | 9.69 |
|---|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|------|----------|-----------|-------|---------|
| SAND SAND AND DUST | | | | | 1.0 | | | | | | | | | | | | | M | -1 | - |
| BLOWING | | | | | | | | | | | | | | | | | | M | | |
| SMOKE | 5.3 | 16.5 | 2.00 | 6.8 | 8.2 | 3.4 | 10.4 | 18.9 | 6.9 | 27.0 | 56.67 | 47.8 | 56.67 | 92.0 | 6.24 | 7.1 | | N N | 192 | 15.5 |
| GROUND POG | 5.3 | 11.1 | 13.0 | 8.7 | 6.1 | 5.4 | | | 3.4 | | | | | | | | | V | 89 | 5.5 |
| 50 | 5.3 | 7.4 | 13.0 | 12.6 | 11.2 | 16.2 | 25.0 | 21.5 | 13.8 | 5.4 | 5.9 | 1.5 | 1.8 | | | 7.1 | | 7 | 150 | 12.1 |
| THUNDER | | | | | 1.0 | | | | | | | | | | | | | M | 1 | -: |
| HAIL SMALL HAIL | | | | | | | | | | | | | | | | | | M | | |
| SNOW GRAINS PELLETS SHOWERS | | | | | | | | | | | | | | | | | | M | | |
| SLEET " SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | X | | |
| FREEZING RAIN FREEZING DRIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| DRIZZLE | | | | 1.0 | 2.0 | | | | | | | | | | | | | X | 7 | 9. |
| SHOWERS | 5.3 | 3.7 | 2.9 | 1.0 | 1., | 2.7 | | 13.5 | 6.9 | | 5.9 | 1.5 | 6. | | | 7.1 | | | 27 | 2.2 |
| N A | 5.3 | | 2.9 | | 7.0 | 6.1 | 4.2 | 10.8 | 3.4 | 2.7 | | 1.5 | 6. | | 14.3 | 1.1 | | X | 23 | 1.9 |
| WIND | z | NNE | N. | ENE | w | ESE | SE | SSE | s | SSW | SW | WSW | * | *N* | *N | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

1,240

1 7

NAVWEASERVCOM

| ALL HOURS (1.5.7.) | NO WEATHER | 61.9 | 10.4 | 76.1 | 73.8 | 9.49 | 62.0 | 65.7 | 63.0 | 0,99 | 10.6 | 10.3 | 9.99 | 4.99 | 6000 | 65.6 | 53.3 | | | 9757 | 66.8 |
|-----------------------|---|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-------------------|-------|---------|
| 4 | BLOWING SAND AND DUST | | | .2 | | 2. | | | | | | | | | | | | | \bigvee | ~ | 0. |
| ALL | BLOWING | | | | | | | | | | | | | | | | | | \bigvee | | |
| | SMOKE | 1.4.1 | 8.0 | 7.3 | 7.0 | 10.3 | 8.3 | 9.6 | 12.0 | 15.7 | 20.1 | 53.5 | 1.62 | 28.5 | 562 | 54.6 | 27.6 | | X | 2559 | 17.5 |
| | SOF FOO TOO TOO | 3.8 | 5.4 | 4.9 | 4.9 | 4.3 | 3.6 | 2.9 | 204 | 2.6 | 1.4 | 1.6 | 4. | 1.1 | 1.3 | 1.6 | 1.0 | | Y | 496 | 3.4 |
| E 483 | 90 | 0.6 | 11.3 | 6.6 | 13.6 | 17.2 | 20.0 | 15.1 | 16.2 | 12.2 | 5.5 | 3.2 | 1.8 | 2.5 | 3.4 | 9.9 | 14.3 | | CA A | 1499 | 10.3 |
| 3 - DEC 77 | TH CN OF S | | | | | 2. | .2 | .2 | | 1. | | 1. | | 2. | 6. | | | | N N | 11 | |
| SAN TA | HAIL | | | | | | | | | | | | | | | | | | \bigvee | | |
| | SNOW GRAINS PELLETS SHOWERS | | | | | | | | | | | | | | | | | | \bigvee | | |
| | SLEET " SHOWERS ICE CRYSTALS | | | | | | | | | | | | | | | | | | \bigvee | | |
| A N | FREEZING RAIN FREEZING OMIZZLE | | | | | | | | | | | | | | | | | | \bigvee | | |
| | DWZZLE | 1.3 | 2.0 | .2 | 2.1 | 1.2 | 1.4 | 0 | 1.9 | 2.2 | 1.2 | 7. | . 5 | 5 | 9. | 1.6 | 1.9 | | X | 140 | 0 |
| SANTA ANA, CALIFO | RAIN | 1.9 | 2.0 | ., | 4. | 2.4 | 2.1 | 2.5 | 6.4 | 1.9 | | 1.3 | ., | 6. | 1.9 | | 2.9 | | $\langle \rangle$ | 168 | 1.2 |
| LAN | 3 | 3.6 | 1.0 | 1.4 | 1.0 | 2.2 | 5.0 | 6.6 | 63 | 2.4 | 1.4 | 9. | .2 | 5. | 2.2 | 1.6 | 5.9 | | X | 185 | 1.3 |
| 93114 station | WIND | z | NNR | NE | ENE | B | ESE | SE | SSE | s | SSW | MS | WSW | * | MNA | WN | MNN | VARIABLE | CALM | TOTAL | % TOTAL |

0

TOTAL NUMBER OF OBSERVATIONS

14,607

NAVWEASERVCOM

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of

PRECIPITATION

SNOWFALL*
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual may be misleading. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. ö

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated The periods and hours used in the snow depth summary vary by service and period as follows:

| Air Force Stations | From beginning of record thru 1945 Jan 46-May 57 Jun 57-present | |
|---|---|--|
| U. S. Navy and Weather Bureau Stations | From beginning of record thru Jun 52 Jul 52-May 57 Jun 57-present | Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT |

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PRECENTAGE FREQUENCY OF PREC 1P 17AT 10N (FROM DAILY OBSERVATIONS)

SANTA ANA, CALIFORNIA

େଷଠ

| | | | | | | AMC | AMOUNTS (INCHES) | CHES | | | | | | N | | NOM | MONTHLY AMOUNTS | STNU |
|----------|-------|-------|---------|---------|---------|---------|------------------|----------|-----------|-----------|------------|-------------|---|---------|----------|------|-----------------|-----------|
| PRECIP. | NON | TRACE | 6 | .0205 | 0190. | .1125 | .2650 | .51.1.00 | 1.01-2.50 | 2.51-5.00 | 5.01.10.00 | 10.01-20.00 | 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS | OF DAYS | NO. | | (INCHES) | |
| SNOWFALL | NON | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5.3.4 | 3.5.4.4 | 4.5.6.4 | 6.5.10.4 | 10.5-15.4 | 15.5.25.4 | 25.5-50.4 | OVER 50.4 | * | 0 0 8 | 74 | | 100 |
| SNOW. | NON | TRACE | - | 2 | | 4-6 | 7.12 | 13.24 | 25.36 | 37.48 | 49.60 | 61.120 | OVER 120 | AMTS | | | CHUNC | |
| NAL | 76.3 | 6.2 | 1.9 | 3.0 | 2.2 | 3.0 | 3.8 | 2.4 | 1.3 | | | | | 17.5 | 372 | 1.73 | 6.61 | .00 |
| FB | 74.9 | 7.1 | 1.9 | 1.9 | 1.9 | 5.1 | 3.5 | 2.6 | 1.0 | | | | | 18.0 | 311 | 1.64 | 7.23 | .01 |
| MAR | 74.2 | 7.2 | 1.0 | 4.7 | 2.5 | 4.0 | 3.5 | 3.0 | | | | | | 18.6 | 403 | 1.44 | | 2.97TRACE |
| APR | 80.0 | 6.7 | 1.5 | . 6 | 2.1 | 3.6 | 1.5 | œ. | | | | | | 13,3 | 390 | .76 | | 4.05TRACE |
| MAY | 77.4 | 15.7 | 6. | 3.7 | * | 1.3 | 4. | | .2 | | | | | 6.9 | 465 | .28 | | 2.SOTRACE |
| NOT | 78.9 | 17.1 | ., | 2.9 | .2 | | .2 | | | | | | | 0.4 | 450 | •0• | | . 46TRACE |
| JUL | 93.8 | 4.7 | .2 | ٥. | .2 | .2 | | | | | | | | 1.5 | 465 | .02 | .18 | .00 |
| AUG | 93.5 | 4.7 | | .2 | .2 | .2 | .2 | 3. | .2 | | | | | 1.7 | 403 | .21 | 1.74 | .00 |
| SEP | 94.6 | 10.3 | s. | 1.8 | 1.3 | | | | ສາ | | | | | 1.6 | 390 | .35 | | 1.95TRACE |
| ٥٥ | 90.08 | 12.7 | 1.2 | 1.5 | 1.0 | 2.2 | .7 | | | | | | | 6.1 | 403 | .23 | | . GATRACE |
| NOV | 80.0 | 4.0 | 1.7 | 3.1 | 1.1 | 1.4 | 3.1 | 1.4 | 1.4 | | | | | 13.1 | 360 | 1.19 | 4.27 | .05 |
| DEC | 75.8 | 6.5 | 80 | 3.2 | 2.7 | 3.8 | 2.7 | 9.8 | | | | | | 17,7 | 372 | 1.86 | 3.80 | .26 |
| ANNUAL | 80.9 | 8.8 | 1.0 | 2.3 | 1.3 | 2.1 | 1.7 | 1.2 | .3 | | | | | 10.3 | 4784 | 9.77 | X | X |

0

0

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

SANTA ANA, CALIFORNIA

0 0

0

0

000

45-470 530

| | | | | | | AA | AMOUNTS (INCHES) | CHES | | | | | | TAS COS | | MONT | MONTHLY AMOUNTS | UNTS |
|----------|--------------|-------|---------|---------|---------|---------|------------------|----------|-----------|-----------|-------------|---|------------|---------|------|---------------|-----------------|-------|
| PRECIP | NON | TRACE | 10. | .02.03 | 04.10 | 11.25 | 26.50 | .51.1.00 | 1.01.2.50 | 2.51.5.00 | \$.01.10.00 | 2 51-5 00 5 01-10 00 10 01-20 00 OVER 20 00 OF DAYS | OVER 20.00 | OF DAYS | NO. | | (INCHES) | |
| SNOWFALL | NONE | TRACE | 0.1.0.4 | 0.5-1.4 | 1.5.2.4 | 2.5.3.4 | 3.5.4.4 | 4.5.6.4 | 4.510.4 | 10.5.15.4 | 15.5.25.4 | 25.5.50.4 | OVER 50.4 | MEASUR- | 9 0 | MEAN | COFATECT | IFAST |
| SNOW. | NON | TRACE | - | 2 | 9 | 9-7 | 7.12 | 13.24 | 25.36 | 37.48 | 49.60 | 61-120 | OVER 120 | AMTS | | | | |
| NYT | 7.66 | .3 | | | | | | | | | | | | | 3721 | 372TRACETRACE | RACE | .0 |
| 9 | 100.0 | | | | | | | | | | | | | | 311 | 0. | • | |
| MAR | 100.0 | | | | | | | | | | | | | | 403 | 0. | • | .0 |
| APA | 100.0 | | | | | | | | | | | | | | 360 | 0. | • | |
| MAY | MAY 100.0 | | | | | | | | | | | | | | 463 | • | • | |
| N | 100.0 | | | | | | | | | | | | | | 420 | • | • | |
| ınr | 100.0 | | | | | | | | | | | | | | 434 | 0. | • | |
| AUG | 100.0 | | | | | | | | | | | | | | 403 | | • | |
| 38 | 100.0 | | | | | | | | | | | | | | 360 | 0. | 0. | |
| 50 | 100.0 | | | | | | | | | | | | | | 403 | 0. | 0. | |
| NO | 100.0 | | | | | | | | | | | | | | 330 | 0. | • | |
| DEC | 100.0 | | | | | | | | | | | | | | 341 | 0. | 0. | |
| ANNUAL | ANNUAL 100.0 | 0. | | | | | | | | | | | | | 4602 | 0. | X | X |

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

SANTA ANA, CALIFORNIA

45-470 530

63. VEARS 67-77

| nië. | | | | | | AMA | AMOUNTS (INCHES) | (CHES) | | | | | | LNSCOSO | | NOW | MONTHLY AMOUNTS | UNTS |
|----------|--------------|-------|---------|---------|---------|---------|------------------|----------|-----------|-----------|---|-------------|------------|---------|------|------|-----------------|-------|
| PRECIP. | NON | TRACE | 6 | .0205 | 0190. | .M25 | 2650 | .51.1.00 | 1.01.2.50 | 2.51.5.00 | 2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS | 10.01.20.00 | OVER 20.00 | OF DAYS | NO. | | (INCHES) | |
| SNOWFALL | NONE | TRACE | 0.1.0.4 | 0.5-1.4 | 1.5.2.4 | 2.5.3.4 | 3.5.4.4 | 4.5.6.4 | 4.5.10.4 | 10.5.15.4 | 15.5.25.4 | 25.5.50.4 | OVER 50.4 | MEASUR- | 9 o | MEAN | GREATEST | TEAST |
| SNOW. | NONE | TRACE | , | 2 | 9 | 4.6 | 7.12 | 13.24 | 25.36 | 37.48 | 49.60 | 61.120 | OVER 120 | AMTS | | | | |
| NAL | 100.0 | | | | | | | | | | | | | | 372 | | | |
| F8 | 100.0 | | | | | | | | | | | | | | 283 | | | |
| MAR | 100.0 | | | | | | | | | | | | | | 341 | | | |
| APR | 100.0 | | | | | | | | | | | | | | 330 | | | |
| MAY | MAY 100.0 | | | | | | | | | | | | | | 372 | | | |
| N N | 100.0 | | | | | | | | | | | | | | 360 | | | |
| 'n | 100.0 | | | | | | | | | | | | | | 434 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 372 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 330 | | | |
| 50 | 100.0 | | | | | | | | | | | | | | 403 | | | |
| Š | 100.0 | | | | | | | | | | | | | | 300 | | | |
| DEC | 100.0 | | | | | | | | | | | | | | 310 | | | |
| NNO | ANNUAL 100.0 | | | | | | | | | | | | | | 4207 | | X | X |

NAVWEASERVCOM

N

21141

0

0

PRECIPITATION

67-77 FROM DAILY OBSERVATIONS

45-47, 52-53, 63,

SANTA ANA, CALIFORNIA STATION NAME

93114 STATION

24 HOUR AMOUNTS IN INCHES

| MONTHS | | | | | | | 1 | 1.28 | 1.09 | 1.70 | 1.28 | 1.62 | 1.97 | | 1.40 | 106. | 4784 |
|---------|--------------|------|-----|---------|------|------|----------|-------|------|----------|------|------|-------|--|-------|--------|-----------|
| DEC. | 26.2 | | | 69. | . 35 | | 72 8 | | 9 | 24. | .21 | 24. | +9. | | 6.8.3 | 010. | 372 |
| NOV. DE | 2 92 2 | | | | | | | 1.28 | | - | | | 60 | | | • | 360 |
| | 23 1 | | | | | | RACE | | 03 | | | | | | | • | 603 |
| . 0CT | 000 | | | 1.25 TR | | | | 100 | U C | 2 | | | | | | • | 390 |
| SEP | 30 | | | -18 | | | OO TRACE | - | | CE TRACE | | | | | | • | |
| AUG. | • | 0 | | | | | | | 7 | | | | | | | 196. 8 | |
| JUL. | E TRACE | | | • • | | | X 0 | - 1 | 7 | 1 | | | ~ | | | 3 .048 | |
| JUN. | x & | | | | | ~ | 0.0 | | | | TRA | | 0 | | | • | |
| MAY | TRACE .01 | | 10. | .03 | | | TRACE | | | | • | | 1.97 | | | 665. | |
| APR. | .28 | • 06 | | 1,31 | | .35 | = | 1 | 0.3 | | 1.28 | 16. | TRACE | | .34 | .455 | 390 |
| MAR. | .62 | .01 | | .70 | 190 | .39 | - | 970 | 000 | 76. | .91 | 14. | .41 | | .54 | .310 | 200 |
| FEB. | .22 | .38 | | | 69. | 2.16 | | - C | 10 | | .36 | | .67 | | . 59 | . 584 | 311 |
| JAN. | .11 | • 18 | | | .36 | 1.58 | . 65 | KA TE | 00 | 1.12 | 36 | 000 | 1.09 | | 29. | . 525 | 377 |
| YEAR | 6.0 | | 225 | 603 | 99 | 69 | 0: | - | 73 | 100 | 75 | 16 | 11 | | MEAN | S. D. | TOTAL ORS |

FROM DAILY OBSERVATIONS PRECIPITATION 67-77

45-47, 52-53, 63,

SANTA ANA, CALIFORNIA

93114 STATION

0

/BASED ON LESS THAN FULL MONTHS/

| YEAR | JAN. | ā | MAR. | APR. | MAY | , Ju | JUL. | AUG. | SEP. | OCT. | , 0 V | DEC. | MONTHS |
|------------|------|----|------|------|-----|------|-------------|------|-------------|------|-------------|------|--------|
| • | | | | | | | | 300 | | | | | DAYS |
| 51 | | | | | | | | | | | 0 | 0 | DAYS |
| 52 | 0 | 0 | | | | | TRACE 29 | | | | | | DAYS |
| 63 | | | | | | | | | | | 2,27 | | DAYS |
| 89 | | | | 00.6 | | | | | | | | | DAYS |
| 69 | | | | | | | | | TRACE 17 | | 140 | 30 | DAYS |
| | | 12 | 62 | | | | | | | | | | DAYS |
| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | 10 | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

0

NAVWEASERVCOM

30

0

0

0

0

0

0

0

SNOWFALL

FROM DAILY OBSERVATIONS

45-470 52-530 630

24 HOUR AMDUNTS IN INCHES

SANTA ANA, CALIFORNIA STATION NAME

93114 STATION

0

0

| • |
|-----|
| |
| |
| |
| |
| |
| 0 |
| 2 6 |
| 0 |
| - |
| |
| |
| - |

SNOWFALL

67-77 FROM DAILY OBSERVATIONS

45-47, 52-53, 53,

SANTA ANA, CALIFORNIA

/BASED ON LESS THAN FULL MONTHS/

| YEAR JAN. | 6.5 | 94 | 41 | 51 | 25 | 63 | 69 | 69 | | | | MEAN | 5.0. |
|-----------|--------|--------|---------|---------|---------|---------|---------|------|--|--|--|------|------|
| ż | | | | | 0 | | | | | | | | |
| 5 | | | 0 | | 0 | | | | | | | | |
| MAR. | 0 | | | | | | | | | | | | |
| APR. | 0 | | | | | | 0.6 | | | | | | |
| MAY | | | | | | | | | | | | | |
| , NOT | | 0 | | | | | | | | | | | |
| JUL. | | 26 | | | 28.0 | | | | | | | | |
| AUG. | 0 | | | | | | | | | | | | |
| SEP. | | 29 | | | | | | 17.0 | | | | | |
| OCT. | | | | | | | | | | | | | |
| NOV. | | 29.0 | | 0 | | 27. | | 13.0 | | | | | |
| DEC. | | 30.0 | | 0 | | | | 30.0 | | | | | |
| MONTHS | SADFAL | SNOFAL | SHOFALL | SMOFALL | SNOFALL | SNOFALL | SACFALL | | | | | | |

NAVWEASERVCOM

0

oN□

188267

0 0 0

0

0

0

0

0

0

SNOW DEPTH

FROM DAILY OBSERVATIONS

67-77

45-47, 52-53, 63,

SANTA ANAS CALIFORNIA

93114 STATION

DAILY SNOW DEPTH IN INCHES

500

SEP

AUG.

ĭ

NOT

MAY

APR

FEB

NY

MONTHS

NON 0

0

000

000

00000000

00000000

00000000

000000000000

000000000000

000000000000

00000000

00000000

0000000000

0000000000

00000000000

000000000

0000000000

0000

310

999

0.000

39.0

375

350 372

330

341

000

0000

MEAN S. D.

TOTAL OBS.

NAVWEASERVCOM

0 00 0

0

SNOW DEPTH

67-77 (FROM DAILY OBSERVATIONS)

45-47, 52-53, 63,

SANTA ANAS CALIFORNIA STATION NAME

93114 STATION

/BASED ON LESS THAN FULL MONTHS/

| /= | AR JAN. | E | MAR. | APR. | MAY | N. | JU. | AUG. | SEP. | OCT . | NOV | DEC. | MONTHS |
|------------|---------|---|------|------|-----|----|-----|------|------|--------------|-----|------|------------------|
| 6.9 | | | 0 | 0 | 0 | ٥, | | 0 | 0 | | c | 0 | SAG DPTH DAYS |
| 94 | | 0 | 0- | 0 | 0 | 0 | 0 - | 0 | 0,1 | | 0 | 0 | SNO OPTH |
| 47 | | 0 | c | | 0 | 0 | | | | | | | SNO DATH |
| 16 | | | | | | | | | | | 0 | 0 | SNO DPTH DAYS |
| 52 | 0 | 0 | | | | | 280 | | | | | | SNO OPTH DAYS |
| 63 | | | | | | | | | | | 27 | | SNO DETH DAYS |
| 68 | | | | 0 | | | | | | | | | SNC DPTH DAYS |
| 69 | | | | | | | | | 170 | | 170 | 300 | SNO DOTH |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

NAVWEASERVCOM

3

1946-1947 1952-1952 9999-9999

SANTA ANA, CALIFORNIA STATION NAME

| JANUARY | | |
|----------|--------|--|
| JANUARY | | |
| JANUAKY | | |
| JANUARY | | |
| TACONA C | > 1 | |
| | - 2407 | |
| | | |
| MONIH | MONIH | |

| PRECIPITATION GREATEST ON GREA |
|--|
|--|

0

0

PEBRUARY MONTH

| | ara. | PRECIPITATION GREATEST | NO. | SO | SNOWFALL | |
|---------|--------|---------------------------|-------|--------|----------|------|
| DAY | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | | | | | | |
| 2 | 10.0 | | 1973 | | | |
| 8 | 0.56 | 14 | 5161 | | | |
| 4 | 0.17 | * | 5161 | | | |
| 5 | 0.23 | 0 | 1976 | | | |
| 9 | 0.79 | 20 | 1973 | | | |
| 7 | 0.56 | 14 | 1976 | | | |
| 8 | 0.54 | 14 | 1976 | | | |
| 6 | 0.62 | 16 | 1976 | | | |
| 10 | 1.17 | 30 | 1970 | | | |
| = | 0.97 | 25 | 1973 | | | |
| 12 | 64.0 | 11 | 1973 | | | |
| 13 | 0.45 | 11 | 1968 | | | |
| 14 | 0.18 | 2 | 1973 | | | |
| 15 | 0.10 | 3 | 1969 | | | |
| 16 | 0.13 | 3 | 1971 | | | |
| 17 | 0.17 | 4 | 1971 | | | |
| 18 | 0.29 | 7 | 1969 | | | |
| 19 | 0.17 | * | 6961 | | | |
| 20 | 0.01 | | 1973* | | | |
| 21 | 0.18 | 5 | 1969 | | | |
| 22 | 0.36 | 6 | 1969 | | | |
| 23 | 2.16 | 35 | 1969 | | | |
| 24 | | ** | 1969 | | | |
| 25 | 1,12 | 28 | 1969 | | | |
| 26 | 4 | • | 6961 | | | |
| 27 | 16.0 | 8 | 1973 | | | |
| 28 | 0.30 | 9 | - | | | |
| 29 | - | • | 1976 | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| Monthly | 7. | | 000 | | | |

10

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

===

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA





93114 STATION





0

DATE

DAILY EXTREME AMOUNTS

1945-1947

1952-1952 9999-9999

MONTH

SNOWFALL S INCHES DATE PRECIPITATION 19 M

DATE

X

INCHES

DATE

Z

INCHES

DAY

0

1976 1974

18

1970

1975

0,28 0.33 *6.0

9

0

1 00 6

1973

1974

3

1,00

3

0

1974

54

1975

15

0,59

10 11 12 13 14 15 16 17

0.38

0

0.05

0

0.91

1973 1961

0

1961

1945 1977

1975

10

0.39

90.0

0.31

1976

1975

SNOWFALL

PRECIPITATION GREATEST

1946 1976 1969 1975 1961 0.35 0.28 0.22 0.11 0.10 DAY n S 9 1

> œ 6

1976 91.67 1971 0.00 0.37 0.51 0.12

> 10 = 12

0,12

13 14 15

3 1975 1975 0.23 0.66 1.31

16

17

18

1972*

16 1945

0.62

18

0.17

*

16 1974

6961 01 1975

0.39

21

0,32 64.0 0,06 0.41

22

0.62

8

19

1945

7 10

24

25 92 27 28 8 30

23

1977

1945 1974

19

1961 33 1967

0.03 0.27 0.15

8

21 22

1961 1967

4 1967

1947

4 1967

1975 1947 4

0.14

0.17

23 24 23 56 27 28 23

1973* 1961

1973

1973 33 1967

Monthly 1.31

0.03

30

1971*

1947

*

0,16

0.07

1961 1970

0

0.02

25

Monthly

1974

0.17

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

ALSO ON EARLIER YEARS

20

0 1944

STATION 93114

SANTA ANAL CALIFORNIA STATION NAME

MARCH

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

שחחת

SANTA ANAL CALIFORNIA STATION NAME

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93114 STATION

0

1945-1947 1952-1953

6666-6666

JUNE

DATE

Σ

INCHES

DATE

Z

INCHES

DAY

1971*

1971#

1961 1974

0.01

SNOWFALL

PRECIPITATION

MAN

| DAY | a l | PRECIPITATION GREATEST | NO | | SNOWFALL | AL ES |
|---------|--------|---------------------------|-------|--------|----------|----------|
| | INCHES | MM | DATE | INCHES | MM | |
| - | 10.0 | | 1973 | | | |
| 2 | 0.02 | - | 1947 | | | |
| 3 | | 1 | 1976# | | | |
| 4 | 1 | | 1973* | | | |
| 5 | 0.03 | 1 | 1972 | | | |
| 9 | 0.03 | 1 | 1972 | | | |
| 7 | 0.07 | 2 | 1974 | | | |
| 8 | 0.03 | 1 | 1972 | | | |
| 6 | 60.0 | 1 | 1971 | | | |
| 10 | 64.0 | 11 | 1976 | | | |
| 11 | 0.04 | 1 | 1963 | | | |
| 12 | | • | 1975# | | | |
| 13 | 0.03 | 1 | 1970 | | | |
| 14 | - | • | 1974# | | | |
| 15 | | - | 1969 | | | |
| 16 | 1 | 1 | 19734 | | | |
| 17 | | | 1963 | | | |
| 18 | 1 | 1 | 1975# | | | |
| 19 | - | - | 51.61 | | | |
| 20 | 0.03 | - | 1972 | | | |
| 21 | | - | 1963* | | | |
| 22 | 10.0 | | 1972 | | | |
| 23 | | - | 1972# | | | |
| 24 | 1 | 1 | 1975* | | | |
| 25 | 1 | 1 | 1977 | | | |
| 26 | | • | 1968 | | | |
| 27 | 1 | • | 1461 | | | |
| 28 | | 1 | 1971 | | | |
| 29 | | | | | | |
| 30 | 1 | • | 1973 | | | |
| 31 | | | | | | |
| Monthly | 0.45 | 11 | 1976 | | | |

1947

0,02 0.26

24

25 56 27 28 53 30 31

1973* 1971*

1977

1953

1973*

1947

10

0

0

1977

50

1,97

œ

1977

1976

1971

000

9

0

1973*

1973

0.05

0.01

1968

0.12

12 13 4 15 16 17

1973*

1972

0,03

19

18

1968

10.0

2 2

22 23

19734

100

| 1947 | 977 |
|------|------|
| | 80 |
| 0.02 | 1.97 |

Monthly

1971*

1971

0,12 0,23

1971

0

=

SANTA ANAS CALIFORNIA

MONTH

STATION NAME

6666-6666 1952-1953 1945-1947

YEARS

AUGUST

MONTH

DATE SNOWFALL M INCHES DATE PRECIPITATION GREATEST MM INCHES DAY

DATE

M

INCHES

DATE

MM

INCHES

DAY

1977

4 2 9

6961 1968

0.02 0.03

0

1974 1969

0.04

= 12 13 14

10

00 6

0

SNOWFALL

PRECIPITATION GREATEST

> 4 2 9

1975* 1974 14 1972 0.54

> 6 10

œ

12 13 14 15 16 17 8 19 20 21 22 23 24 25 56

11

1974*

1973

1977

1

0.18

15

16

17 18

0

1952 1974

8 1945 0.02 0.30

1973 1945

1976*

20

21

19

22

24

23

25

26 27 28 53 30 31

1973 1976

1975 1972

1972

28 29 30

1968

1968

0.02

5 1977

0.18

Monthly

1968

0.01 9000

27

14 1972

0.54

Monthly

31

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

* ALSO ON EARLIER YEARS

DIRNAVOCE ANMET - SMOS

2

esu

93114 STATION

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

SANTA ANA, CALIFORNIA STATION NAME

93114 STATION

O

MONTH

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

1945-1947 1952-1953

6666-6666

OC TOBER MONTH

DATE

Σ

INCHES

DATE

M

INCHES

DAY

1973*

1967

0.20

1976

0.45

90.0

2

9 1

0

0.04

1972*

1976

1976

0,02 0.06

œ

1945

1976

0.07

6

0

SNOWFALL

PRECIPITATION GREATEST

| | E C | PRECIPITATION GREATEST | NO. | S, C | SNOWFALL | |
|---------|--------|---------------------------|-------|--------|----------|------|
| DAY | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.18 | 5 | 1946 | | | |
| 2 | | | 1976 | | | |
| 3 | 0.02 | 1 | 1968 | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 9 | 90.0 | 2 | 1975 | | | |
| 7 | 0,12 | 3 | | | | |
| 8 | 60.0 | 1 | 1973 | | | |
| 6 | 0.01 | | 1968 | | | |
| 10 | 1 | - | 9261 | | | |
| 11 | 0.07 | 2 | 1978 | | | |
| 12 | | | | | | |
| 13 | 1 | • | 1977* | | | |
| 14 | 1 | • | 1977* | | | |
| 15 | 1 | 1 | 1977* | | | |
| 16 | 0.29 | 7 | 0 | | | |
| 17 | 1 | | 1977* | | | |
| 18 | 0.35 | 6 | 1963 | | | |
| 19 | 0.03 | 1 | 1972 | | | |
| 20 | 0.03 | 1 | 1972 | | | |
| 21 | 1 | 1 | 1975# | | | |
| 22 | 1 | 1 | 1968 | | | |
| 23 | 1 | | 19734 | | | |
| 24 | | • | 1977* | | | |
| 25 | | | | | | |
| 26 | 60.0 | 1 | 1972 | | | |
| 27 | 0,18 | 5 | 1946 | | | |
| 28 | 0.16 | * | 1974 | | | |
| 29 | 0.25 | 9 | 1945 | | | |
| 30 | 0.28 | | 1968 | | | |
| 31 | 10.0 | | 1974 | | | |
| Monthly | 0.35 | 6 | 1963 | | | |

1970*

1976

0,08

10

12 13 14 15

=

1973*

1976 1976

| 1976 | |
|------|--|
| 14 | |
| 1.62 | |
| | |

Monthly

31

1977*

1967

0,02

27

58

28

30

1961

1977

1976+

1967

1963

1,25

11

0.24

18 19 20

21

6 1963

1963

0.04

0.01

16

0.01

1968*

1973

22

24

25 56

23

· ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

1945-1947 1951-1953 9990-9999

DECEMBER

DATE

M

INCHES

DATE

X

NCHES 0.03

DAY

1974

1963

1975

1977 1963 1946

> 0.19 0.16

0.41

SNOWFALL

PRECIPITATION

| 1 0.08 MM DATE INCHES MM 1 0.08 6 1971 3 0.10 4 1971 4 1.70 43 1976 6 0.01 4 1972 8 0.42 11 1972 8 0.42 11 1972 10 0.06 2 1970 11 0.15 4 1908 11 0.09 2 1970 11 0.82 2 1970 12 0.09 2 1970 13 T T 1998 14 T T 1998 15 T T 1973 16 0.09 2 1970 17 0.18 5 1977 18 0.69 16 1970 20 0.21 5 1970 21 0.61 15 1970 22 2.32 99 1945 23 0.08 2 1971 24 0.85 22 1971 28 1.44 37 1974 29 0.57 14 1976 31 0.48 12 1976 | | # G | PRECIPITATION GREATEST | NO. | s, o | SNOWFALL | |
|--|-----|--------|---------------------------|------|--------|----------|---|
| 0.082 6 19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | DAY | INCHES | MM | DATE | INCHES | MM | Н |
| 0.25 6 19 0.16 4 19 0.16 4 19 0.016 4 19 0.02 6 19 0.042 11 19 0.042 11 19 0.05 1 19 0.082 2 19 0.082 2 19 0.082 2 19 0.083 2 2 19 0.083 2 19 0.084 10 10 10 10 10 10 10 10 10 10 10 10 10 | - | | 2 | 1 | | | |
| 1.70 | 2 | | 9 | 1971 | | | |
| 1.70 43 19 0.016 4 19 0.024 6 19 0.024 6 19 0.024 11 19 0.024 12 19 0.037 12 19 0.037 12 19 0.037 14 19 0.044 12 19 | 3 | | * | 161 | | | |
| 0.01 | 4 | | 43 | 1974 | | | |
| 0.16 4 19 0.42 11 19 0.04 11 19 0.05 1 1 19 0.08 2 2 19 0.08 2 19 0.09 3 19 0.08 3 19 0.08 3 19 0.08 3 19 0.08 1 18 0.08 1 18 | 2 | | | 3 | | | |
| 0,24 6 19 0,06 2 19 0,06 2 19 0 0,06 2 19 0 0,06 2 19 0 0,08 2 19 0 0,08 2 19 19 19 19 19 19 19 19 19 19 19 19 19 | 9 | | * | - | | | _ |
| 0.42 11 19 0.06 2 19 2 19 0.082 2 19 0.64 16 19 19 19 0.082 2 19 0.083 2 2 19 0.084 12 19 | 1 | | 9 | 97 | | | |
| 0.06 | 00 | | 11 | - | | | |
| 0.06 | 6 | | 2 | 16 | | | |
| 0.05 4 19 0.06 2 1 19 0.08 2 19 0.08 2 19 0.08 2 19 0.08 18 19 0.08 18 19 0.08 18 19 0.08 18 19 0.08 18 19 0.08 19 0.0 | 10 | | | | | - | _ |
| 0.06 2 19 19 19 19 19 19 19 19 19 19 19 19 19 | = | | * | 0 | | | _ |
| 7 7 19 0.09 2 19 19 19 0.69 18 19 19 0.61 15 19 0.61 15 19 0.61 15 19 0.63 22 19 0.64 16 19 0.64 15 19 | 12 | | 2 | - | | | _ |
| 0.09 | 13 | • | - | - | | | _ |
| 0,09 2 19 19 19 19 19 19 19 19 19 19 19 19 19 | 14 | - | - | - | | | _ |
| 0,09 2 19 19 19 19 19 19 19 19 19 19 19 19 19 | 15 | - | • | 1968 | | | _ |
| 0.18 5 19 19 0.69 18 19 0.00 0.00 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 16 | | 2 | 1970 | | | |
| 0.82 21 197 0.82 21 197 2.32 29 194 0.08 22 197 0.93 24 194 0.64 16 197 0.57 20 197 0.58 20 197 0.64 16 197 0.64 12 197 | 17 | | 5 | | | | |
| 0.82 21 197 2.32 59 194 2.32 59 194 0.08 22 197 0.64 16 197 0.78 20 197 0.57 14 197 0.48 12 197 | 18 | | 18 | 1961 | | | |
| 0.61 15 197 2.32 59 194 0.08 2 197 0.93 24 194 0.64 16 197 0.57 20 197 0.57 14 197 0.48 12 197 | 19 | | 21 | - | | | _ |
| 2.32 39 194 2.32 39 194 0.08 2 197 0.93 24 194 0.54 16 197 0.54 37 197 0.48 12 197 0.43 11 197 | 20 | | 2 | - | | | _ |
| 2,32 59 194 0,08 2 197 0,93 24 194 0,64 16 197 0,78 20 197 1,44 37 197 0,48 12 197 0,43 11 197 | 21 | | 15 | - | | | |
| 0.08 2 197 0.93 24 194 0.64 16 197 0.78 20 197 1.44 37 197 0.48 12 197 0.43 11 197 | 22 | | 66 | | | | |
| 0.93 24 194 0.93 24 194 0.64 16 197 0.78 20 197 0.57 14 197 0.48 12 197 0.43 11 197 | 23 | | 2 | | | | |
| 0.93 24 194 0.64 16 197 0.78 20 197 1.44 37 197 0.57 14 197 0.48 12 197 | 24 | | 22 | 1971 | | | |
| 0.64 16 197 0.78 20 197 1.44 37 197 0.57 14 197 0.48 12 197 | 25 | | 24 | | | | _ |
| 1,44 37 197 0,57 14 197 0,48 12 197 0,43 11 197 | 38 | | 16 | 1977 | | | |
| 1.44 37 197 0.57 14 197 0.48 12 197 0.43 11 197 | 27 | | 20 | 161 | | | _ |
| 0,48 12 197 | 28 | | 37 | 1974 | | | _ |
| 0,48 12 197 | 29 | | *1 | 1974 | | | |
| 0.43 11 197 | 30 | | 12 | - | | | _ |
| | 31 | 3. | 11 | 1976 | | | |

· ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

Monthly 2.32

1973*

1970

0.14

25

0.05

38 27 28 53 30

1970

1979

0,07

0,80

1946

14

1963

288

2,27

20

19

1961

1967

1.10 0,34 0,55

21

22

23 24

1973

1972

0.01

10

= 12 13

1946

33

1.28

14

1972

0.32

17

18

1973

1963

0.63

15

16

1946

1.02

DIRNAVOCEANMET -- SMOS

58 1963

2.27

Monthly

1961

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

STATION

SANTA ANAS CALIFORNIA

STATION NAME

MOVEMBER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Speeds are presented in knots, while directions are given in 16 column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is Every month of a year must have valid observations present before the ALL MONTHS value is selected compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. These values are then used to compute means and standard deviations for the entire Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in for that year. Means and standard deviations are computed when four or more values are present for any selected and printed. ;

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a wind speed for each direction. 5

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- 1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. ģ

SURFACE WINDS

67-77 (FROM DAILY OBSERVATIONS)

45-470 52-530 630

SANTA ANA, CALIFORNIA STATION NAME

93114 STATION

0

0

DAILY PEAK GUSTS IN KNOTS

| HS | | | | | T | | | | 9 | 32 | 4 | 35 | 37 | | 7.04 | \$66.0 | 133 |
|--------|--------------|------|------|------------|------|------|-------|------|------|------|------|------|------|--|------|-------------|-------|
| MONTHS | | | | | | | | | 80 | 200 | 90 | 10 | 31 | | | 0 | - |
| DEC. | 26 | | | 14 | 1 | 38 | | | 9 6 | 52 | 30 | 36 | 25 | | 29.1 | 007.4 | 70% |
| | 285 52NE | | - | 38 29NE | 28E | 2 | SO | 07 | 3200 | 103 | 200 | 306 | 208 | | 11 | | - |
| ó | | | | | | | | | | | | | | | 32.0 | 6.6.019.0.0 | 44.7 |
| | 29NE | | | 24ENE | 315 | • | 24NE | 54 | 3721 | BB | 292 | 00 | 192 | | 6.02 | 7966 | ANA |
| ŏ | SOMS A | | | 23W | ONE | | 32 | 2104 | 2303 | 1 | 950 | 902 | 027 | | 11 1 | | 1 |
| e e | | | | | | | 1 | | | 1 | | | | | 7.67 | 970.0 | 7.5 |
| AUG. | 24NE | | | 265E | 245 | 20 | ZON | 2027 | 2423 | 250 | 192 | 202 | 192 | | 11 1 | 3.243 | 1 8 7 |
| | M02 | | | 26WSW | 2 | I | #\$27 | 323 | 22 | 2 | 24 | 22(| 325 | | | | 1 |
| ĭ | | 50 | 23 | 1 | | | | | | | | | | | 9.77 | 476.7 | - |
| 7 | 245W | 245 | 3: | 285W | 225 | 225 | 255 | 245 | 37.6 | 457 | 2027 | 212 | 222 | | 11 | | - |
| , v | 2555 W 245 W | 2 | | N N | | | | | 25 | 2 | 54 | 50 | 26 | | 11 1 | 167.0 | 1 |
| * | | | 2 40 | | | | | | | | | | | | 0.62 | 909.6 | - |
| - | 325W | 388E | 2 | 39% | • | 265W | × 26 | 3325 | 2820 | 35.5 | 2621 | 2522 | 2015 | | | | - |
| APA | | | | 4 | 8 | | - | | | | | | i | | 11 | 7.280 | 1 |
| ₹ | | | | 36 | 35 | 3 | 36 | 42 | 2513 | 24 | 900 | 36 | 37 | | 34.9 | 160. | - |
| _ | 2 3 | 3 NZ | - | - | 30 | 45NX | N | 2804 | 2531 | 63.6 | 103 | 7250 | 1862 | | | 2 | - |
| FE. | | | | | | | | | | | | 1 | | | 30 | 100 | - |
| JAN. | 57 | 3 | | | | 425 | | 301 | 3505 | | 4 | 23 | 34 | | 1.04 | 12/9.0 | |
| | z | | | - | N.S. | S | | w | 0 | 3 6 | 90 | 12 | 54 | | | 10 | 1 |
| EAR | 4 4 | 51 | 25 | 60 | 0 | 60 | 10 | 1. | 27 | 10 | 75 | 15 | 11 | | MEAN | S. D. | |

-

SURFACE WINDS

FROM DAILY OBSERVATIONS

45-470 52-530 630

67-77

/BASED ON LESS THAN 90% DBSERVATIONS FOR MONTH/ SANTA ANA, CALIFORNIA

| 21 0 8 2 2 3 3 4 5 WAR. APR. |
|------------------------------|
| # 77 0 F 22 |

NAVWEASERVCOM

IN D

188229

93114 STATION

SURFACE WINDS JAN 78

SURFACE WINDS

Ē

HOURS (L.S.T.)

ZAS MONTH 0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

SANTA ANA, CALIFORNIA

93114 STATION

YEARS

CONDITION

CLASS

0

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

K

90

NA P

124.85

ALL WEATHER

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) 73-77 SANTA ANA, CALIFORNIA

| MEAN WIND SPEED | 3.8 | 3.8 | 5.7 | 1.9 | 2.8 | 3.8 | 2.1 | 3.4 | 12.0 | | | 1.5 | | 5.5 | 2.0 | | | 2.2 |
|--|-----|-----|------|-----|-----|-----|-----|-----|------|----|-----|-----|-----|-----|-----|-------|-----------|-------|
| | 5.8 | 6.9 | 10.3 | 7.5 | 1.1 | 2.0 | 2.6 | 3.2 | 9. | | | 1.3 | | 1.3 | 9. | | 1.64 | 100.0 |
| ** | | | | | | | | | | | | | | | | | \bigvee | |
| 25 - 55 | | | | | | | | | | | | | | | | | \bigvee | |
| 41.0 | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 16 | | | | | | | | | | | | | | | | | \bigvee | |
| 28 . 33 | | | | 9. | | | | | | | | | | | | | \bigvee | 9. |
| 2.2 | | | | | | | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | .3 | | | | | | | | | | | | | | \bigvee | 1.3 |
| 11 - 16 | 9. | | 9. | | | | | | 9. | | | | | | | | X | 1.9 |
| 7 . 10 | | 0. | | 0. | | | 1.3 | | | | | | | | | | X | 2.6 |
| • | 1.3 | 6.1 | 3.6 | 0. | 3.4 | | 9.7 | 1.3 | | | | | | 9. | | | X | 16.6 |
| :: | 3.9 | 3.0 | 2.6 | 3.6 | 4.5 | 0 | 1.3 | 1.9 | | | | 1.3 | | 9. | 9. | | X | 27.1 |
| SE S | z | N. | ¥ | P. | | 55 | * | 355 | WS8 | SW | MSM | * | WWW | NW. | MMM | VARBL | CALM | |

0216

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

I

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

SANTA ANAS CALIFORNIA

73-77 ALL WEATHER

YEARS

HOURS (L.S.T.)

NAS 07

CONDITION

| MEAN WIND SPEED | 3.0 | 3.5 | 9.0 | 1., | 3.5 | 2.6 | 3.8 | 0.0 | 0.9 | | | 3.0 | 3.0 | 2.0 | 0.9 | | | | 2.2 |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-------|-------------|-------|
| * | 1.9 | 6.3 | 1.6 | 1.1 | 4.8 | 3.2 | 2.8 | g. | 9. | | | 1.3 | 0. | 9.2 | 1.3 | | | 5000 | 100.0 |
| 8 | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 46 | | | | | | | | | | | | | | | | | | X | |
| 28 - 33 | | | | | | 8 | | | | | | | | | | | | \bigvee | |
| 22 . 27 | | | 9. | | | | | | | | | | | | | | | \setminus | 9. |
| 17 . 21 | | | 1.3 | | | | | | | | | | | | | | | \bigvee | 1.3 |
| 11 . 16 | | | 9. | 0. | | | 9. | | | | | | | | | | | \bigvee | 1.9 |
| 7 - 10 | | 9. | | • 0 | 0. | | 1.3 | | | | | | | 9. | 9. | | | \bigvee | 4.5 |
| *; | 0. | 1.3 | 9. | 0. | 9.2 | 9. | 4.0 | 0. | 9. | | | | | 1.3 | 9. | | | \bigvee | 12.3 |
| 1.3 | 1.3 | 4.5 | 6.3 | 2.6 | 3.6 | 5.0 | 1.3 | | | | | 1.3 | 9. | 0. | | | | \bigvee | 29.0 |
| SPEED (KNTS) DIR. | z | NNE | ¥ | E | | ESE | SE | SSE | s | SSW | SW | WSW | * | WWW | ¥ | NNN | VARBL | CALM | |

93114

0

5702 SURFACE WINDS JAN 78

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YEARS 73-77 ALL WEATHER

SANTA ANAS CALIFORNIA

93114

0

0

0

0

COMDITION

10

CAN

| 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | SPEED (KNTS) DIR. | :: | ; | 7 . 10 | 1.16 | 17.21 | 22 - 22 | 28 - 33 | 34 . 46 | 4.0 | 8 - 55 | % Al | * | MEAN WIND SPEED |
|---|-------------------------|-----------|-----------|--------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 1.3 | Z | 1.9 | | 9. | | | | | | | | | 5.6 | 3.3 |
| 1.3666666666 . | X | 9. | | | 9. | | | | | | | | 1.9 | 6.3 |
| 3.2 3.2 3.2 3.2 4.3 4.3 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6 | Z | 9. | 0. | 9. | 1.3 | | 1.3 | | | | | | 4.5 | 12. |
| 3.2 | E. | 1.3 | 9. | | 0. | | 9. | | | | | | 3.2 | 9.6 |
| 4.5 | | 3.6 | 0. | 0. | 1.9 | | | | | | | | 6.5 | 5.1 |
| 6.5 1.9 2.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6 | ESE | 1.3 | | 9.7 | | | | | | | | | 4.5 | 5.9 |
| 1.9 2.6 0.0 0.0 3.9 3.9 3.9 3.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | * | 4.5 | | 0. | | | | | | | | | 5.0 | 5.5 |
| 5 1.3 .6 3.9 6 .6 .6 1.9 4,5 4,5 .6 9.7 2,6 1.9 .6 1.9 1,7 .6 1.9 1.9 25,2 16,1 9.7 6.5 1.3 1.9 | SSE | 0. | | 9.7 | 0. | • | | | | | | | 6.0 | 8 |
| . 6 1.3 . 6 1.3 . 6 1.3 . 6 1.9 . 7 6.5 . 1.9 . 1.9 | | 0. | | 1.03 | 0. | | | | | | | | 3.9 | 0.0 |
| 5 1.3 4.5 4.5 2.6 1.9 1.9 1.9 1.9 1.9 25.2 16.1 9.7 6.5 1.9 100.0 | SSW | 9. | | | | | | | | | | | 1.3 | 3.5 |
| 5.6 1.3 .6 .6 .6 .9,7 .7 .6 | SW | | | | | | | | | | | | | |
| 25.2 16.1 9.7 6.5 1.9 1.9 1.9 | WSW | 9. | | | | | | | | | | | 1.9 | 4.0 |
| 25.2 16.1 9.7 6.5 1.9 1.9 1.9 | * | 4.5 | | | | 9. | | | | | | | 1.6 | 6.4 |
| 1.9 .6 .6 .6 1.9 1.9 39.4 25.2 16.1 9.7 6.5 1.9 1.9 | WWW | 9.2 | | | | | | | | | | | 4.5 | 3. |
| 25.2 16.1 9.7 6.5 1.9 | ¥ | | 0. | 9. | 9. | | | | | | | | 1.9 | 8.0 |
| 25.2 16.1 9.7 6.5 1.9 | NNN | 1.9 | | | | | | | | | | | 1.9 | 2.0 |
| 25.2 16.1 9.7 6.5 1.3 1.9 | VARBL | | | | | | | | | | | | | |
| 16.1 9.7 6.5 1.3 1.9 | CALM | \bigvee | \bigvee | X | X | \bigvee | 39.4 | |
| | | 25.2 | | 1.6 | | 1.3 | | | | | | | 10000 | 3.6 |

2880

110

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

188

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0.00

(FROM HOURLY OBSERVATIONS)

WEATHER ALL

73077

SANTA ANA, CALIFORNIA

93114

0

STATION MAME

YEARS

HOURS (L.S.T.)

13 MONTH

ZAT

| WIND WIND SPEED | 500 | 1.51 | 13.1 | 1.3 | 0.0 | 001 | 0.8 | 6.9 | 0.0 | 2.0 | 5.5 | 2:1 | 5.8 | 604 | 2.0 | 0.4 | | 5.8 |
|-----------------------|-----|------|------|-----|------|-----|-----|------|-----|-----|-----|------|-------|------|-----|-----|-----|-------|
| * | 2.6 | 1.9 | 2.6 | 2.0 | 1.09 | 100 | 6. | 3.9 | 4.5 | 1. | 6.0 | 14.0 | 23.63 | 10.3 | 3.5 | 9. | 8.4 | 100.0 |
| % Al | | | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | X | |
| 41.4 | | | | | | | | | | | | | | | | | X | |
| 34 - 40 | | | | | | | | | | | | | | | | | X | |
| 28 . 33 | | | | | | | | | | | | | | | | | X | |
| 22 - 27 | | | | | | | | | | | | | | | | | X | |
| 17 . 21 | | | 1.9 | 0. | | | | 9. | | | | 9. | | | | | X | 3.9 |
| 91 - 11 | 0. | 0. | 6:1 | | | 0. | | | | 0. | | 0. | 6:1 | | | | X | 7.1 |
| 7 . 10 | | 9. | 9. | | 6. | | 0. | 1.03 | 9.7 | 1.9 | 1.9 | 2.0 | 5.6 | 4.0 | 1.3 | | X | 22.0 |
| • | 3 | 1 | 0 | 9. | 6.1 | 1.3 | | 6.3 | 6.1 | 1.9 | 3.9 | 0.6 | 4.0 | 2.5 | 4.5 | 0 | | 8.7 |

3.2

SSW

ø

0

25 SE SE

0

6 .

Z Z

z

0

0

0

-:3

SPEED (KNTS) DIR.

2.5

N

VARBL CALM

N.

ž

0

1.9

WSW

0

*

NS.

19.4

0

Q

0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

SANTA ANAS CALIFORNIA

93114

16 HOURS (L.S.T.)

SAN

COMBITION

| MEAN WIND SPEED | 0.4 0. | 0.51 6. | 3.9 17.0 | 2.6 8.0 | 0.2 0. | 0.01 0. | 1.9 7.0 | 1.3 12.5 | 4.5 7.1 | 13.5 6.8 | | 20.5 5.42 | 6.0 2.62 | 1.9 5.3 | 0.01 0. | 1.3 5.5 | | 1.9 | 0 . |
|-------------------------|--------|---------|----------|---------|--------|---------|---------|----------|---------|----------|-----|-----------|----------|---------|---------|---------|-------|-----------|-----|
| * | | | | | | - | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 3. 4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | 9. | | | | | | | | | | | | | | | \bigvee | , |
| 2.2 | | | 9. | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | 9. | | | | 9. | | | | | 9. | | | | | X | |
| 91 - 11 | | 9. | 1.3 | | | 0. | | | | 0. | | | 1.3 | | | | | X | |
| 7 - 10 | | | 1.3 | 0. | | | 1.3 | 0. | 2.0 | 0.0 | 7.1 | 9.7 | 10.3 | 9. | 0. | 0. | | X | |
| • | 9. | | | | | | 9. | | 6.1 | 0.0 | 3.6 | 12.9 | 11.0 | 9. | | 9. | | X | |
| :: | | | | 1.3 | 0. | | | | | 9. | 6.1 | 3.9 | 6.1 | 0. | | | | X | |
| SPEED (KNTS) DIR. | z | Z | Z | E | - | 253 | * | 556 | | SSW | »S | WSW | * | WWW | ž | NNA | VARBL | CALM | |

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

188

SURFACE WINDS

| NAL | ном | 19 | NOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL WEATHER | CIASS | COMBITION |
| SANTA ANAS CALIFORNIA | STATION NAME | | | |

| SPEED (KNTS) DIR. | ÷. | • | 7 - 10 | 91 . 11 | 17 . 21 | 22 - 22 | 28 - 33 | 34 - 40 | 41.4 | 48 - 55 | 8 | × | WIND WIND SPEED |
|-------------------------|-----------|-----------|--------|---------|---------|-----------|--------------|-----------|-----------|---------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| NN | | 1.3 | | | | | | | | | | 1.3 | 2.0 |
| ¥ | 1.3 | 1.9 | | 1.9 | | | | | | | | 205 | 7.4 |
| ENE | 4.5 | 2.6 | | | | | | | | | | 1.1 | 3.4 |
| | 6.5 | 1.5 | 9. | 0. | | | | | | | | 4.7 | 3.9 |
| ESE | 3.6 | 9.2 | 0. | | | | | | | | | 6.0 | 3.9 |
| SE | 3.6 | 6.7 | 9. | | | | | | | | | 5.8 | 3.8 |
| SSE | 9. | 3.6 | | 9. | | | | | | | | 4.5 | 3.6 |
| • | 2.6 | 9. | | 0. | | | | | | | | 3.9 | 6.3 |
| SSW | • | | 1.3 | | | | | | | | | 1.0 | 1.0 |
| *S | 1.9 | | | | | | | | | | | 1.9 | |
| WSW | 1.3 | 7.0 | | | • | | | | | | | 3.9 | 6.9 |
| * | 5.5 | 0. | 0. | 1.3 | | | | | | | | 2.6 | 0 |
| WNW | 9. | 0. | | | | | | | | | | 1.3 | 3.0 |
| ž | 9. | | 9. | | | | | | | | | 1.3 | 6.5 |
| N.Y. | 1.3 | 9. | | | 9. | | | | | | | 2.6 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | X | X | X | \bigvee | \backslash | \bigvee | \bigvee | X | \bigvee | 38.1 | |
| | 31.0 | 20.0 | 4.5 | 5.2 | 1.3 | | | | | | | 100.0 | 3.0 |

=

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1

22 HOVES (L.S.T.)

NAD

YEARS

73-77

SANTA ANAS CALIFORNIA

93114

0

0

0

0

0

ALL WEATHER CLASS

| 2 | | S) |
|------------------------------|---------------------|----------------------------|
| PERCENTAGE FREQUENCY OF WIND | DIRECTION AND SPEED | (FROM HOURLY OBSERVATIONS) |

| | , |
|--|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | 1 |
| | |
| | - |
| | |
| | |
| | |
| | |
| | |
| | |
| | 1 |
| | |
| | |
| | ' |
| | |
| | |
| | |
| | |

| MEAN WIND SPEED | 0.4 | 8.4 | 2.5 | 3.5 | 9.7 | 3.6 | 1.4 | 4.0 | 4.0 | 0.4 | 0.0 | | 5.3 | 3.0 | | 2.0 | | | 2.1 |
|-------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-------|-----------|-------|
| × | 1.99 | 3.9 | 6.21 | 11.0 | 5.6 | 3.6 | 4.5 | 3.6 | 9.2 | 9. | 0. | | 5.0 | 1.9 | | 9. | | 44.5 | 10000 |
| % | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 . 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 41.47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 46 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 22 | | | 1.3 | | | | | | | | | | | | | | | \bigvee | 1.3 |
| 17 . 21 | | | 0. | | | | | | | | | | | | | | | \bigvee | 9. |
| 50 . | | | | 9. | | | | | | | | | | | | | | X | 9. |
| 7 - 10 | | 1.3 | | | | | 1.3 | | 0. | | | | | | | | | X | 3.6 |
| • • • | 1.3 | 9. | 5.1 | 1.3 | 9. | 0. | | 6.1 | | 0. | 0. | | | 9. | | | | X | 11.0 |
| r:3 | 0. | 1.9 | 0.6 | 0.6 | 2.6 | 9.7 | 0.7 | 1.3 | 1.9 | | | | 2.6 | 1.3 | | 9. | | X | 38.7 |
| SPEED (KNTS) DIR. | z | N.N. | Z | S. | - | ESE | * | 358 | • | WSS | 38 | WSW | * | WWW | ¥ | NNN | VARBL | CALM | |

=

1240

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114 STATION

STATION NAME

ALL MEATHER CLASS

YEARS

ALL HOURS (L.S.T.)

NA N

COMDITION

| SPEED (KNTS) DIR. | 1.3 | • • | 7 - 10 | 11 . 16 | 17 . 21 | 22 - 27 | 28 - 33 | 4 . 4 | 4.4 | 48 - 55 | % | * | MEAN WIND SPEED |
|-------------------------|------|------|--------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 2 | 1.2 | | 7. | 7. | | | | | | | | 5.3 | 3.9 |
| W. | 1.6 | | *. | 7. | • | | | | | | | 3.6 | 6.4 |
| w Z | 3.9 | 1.3 | 4. | 1.0 | | 9. | 2. | | | | | 0.1 | |
| ENE | 0.4 | 0.1 | 7. | 7. | 7. | 7. | - | | | | | 5.9 | • |
| - | 3.9 | 4.1 | . 3 | 6. | | | | | | | | 2.9 | |
| ESE | 1.5 | 0.1 | 4. | 7. | | | | | | | | 3.1 | 4.4 |
| 35 | 1.6 | | 0.1 | -: | | | | | | | | 0.4 | |
| SSE | | 1:1 | 1. | 7. | 2. | | | | | | | 3.5 | 9.0 |
| s | 6. | 5. | 0. | 7. | | | | | | | | 5.9 | 2.8 |
| SSW | 1. | 1.3 | 1:1 | 7. | | | | | | | | 3.4 | 2.0 |
| SW. | 9. | ٠.1 | 1:1 | | | | | | | | | 7.5 | 5.8 |
| WSW | 1:1 | 3.1 | 1.5 | : | 2. | | | | | | | 0.9 | 2.6 |
| 3 | 2.5 | 3.1 | 7.7 | 9. | 2. | | | | | | | 8.8 | 2.5 |
| WWW | 0.1 | 1.5 | 2 | | | | | | | | | 2.8 | 4.5 |
| * | 2. | 4. | | - | | | | | | | | 1.2 | 6.3 |
| NNN | | .2 | 7. | | | | | | | | | 1.1 | 4.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 35.1 | |
| | 26.5 | 20.9 | 11.4 | 3.6 | 1.6 | .7 | .2 | | | | | 10000 | 3.6 |

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2880

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

SANTA ANA, CALIFORNIA

93114

0

YEARS

10 HOURS (1.5.T.)

F 25 -

COMBITION

| WIND WIND SPEED | 4.7 | | | | | | | | 5.8 | | | | 6.3 | 0.6 | | | | | |
|-------------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-------|-------------|---|
| * | 1.2 | 7.9 | 4.3 | 12.8 | 9.0 | 4.3 | 4.3 | 2.8 | 2.8 | | 1.2 | 5.1 | 1.5 | | | | | 46.8 | |
| % | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41.4 | | | | | | | | | | | | | | | | | | X | |
| 34 - 40 | | | | | | | | | | | | | | | | | | X | |
| 28 - 33 | | | | | | | | | | | | | | | | | | X | |
| $n \cdot n$ | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 91.11 | | | | 1.4 | | | | | 1. | | | | | | | | | \setminus | |
| 7.10 | | . 1 | | 1. | | 1.4 | 7.4 | | | | | | | 1. | | | | X | |
| *; | 1. | .7 | 1.2 | 6.4 | 4.4 | 1.4 | | 2.0 | | 1. | | | 7.7 | | | | | X | |
| :: | 1. | 5.0 | 1.2 | 9.9 | 5.0 | ** | | | 7.2 | | 7.7 | | 1. | | | | | X | 1 |
| SPEED (KNTS) DIR. | z | Z | Z | ENE | - | 253 | * | 388 | | SSW | AS. | WSW | * | WWW | ž | NNW | VARBL | CALM | |

DIRNAVOCEANMET SMOS

SURFACE WINDS

Ē

04 HOURS (1.8.T.)

FEB

YEARS

73-77

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

CONDITION

| 34 · 40 41 · 47 48 · 55 ≥ 56 % WIND SPEED | 0.9 | | | 16.3 | | | | | 6.61 4.1 | | | 0.4 | 0.8 | 6 10 | | | | 41.9 | 100.0 2. |
|---|-----|-----|-----|------|-----|-----|-----|-----|----------|-----|-----|-----|-----|------|---|-----|-------|-----------|----------|
| 28 - 33 | - | | | | | | | | | | | | | | | | | | .7 |
| n . n | | | | 1. | | | | | | | | | | | | | | X | |
| 17 . 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | 1. | 1. | | | | | | | | | | | | | | X | 7.1 |
| 7 . 10 | | | | 1. | | 1. | 7.4 | | | | | | | | | | | X | 4.2 |
| • • | 1. | 5.6 | 1. | 4.5 | 2.0 | | 3.5 | 7.7 | | | | | | | | | | X | 21.2 |
| :: | | ** | 1.8 | 6.6 | 5.1 | **1 | 1.0 | | | | | | | | | | | X | 1 00 |
| SPEED (KNTS) DIR. | z | NN | ¥ | ENE | - | ESE | 35 | SSE | | SSW | AS. | WSW | * | WWW | × | MNN | VARBL | CALM | |

9688

141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

93114

5.4

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

73-77 ALL WEATHER

SANTA ANAS CALIFORNIA

HOURS (L.S.T.)

07 HOMTH

FEB

CONDITION

| SPEED (KNTS) DIR. | 1.3 | 4.6 | 7 . 10 | 91 - 11 | 17 - 21 | n · n | 28 - 33 | 34 - 40 | 41 . 43 | 48 - 55 | 3 5 | × | MEAN WIND SPEED |
|-------------------------|-----------|-----------|-----------|---------|---------|-------|---------|---------|---------|---------|------------|-------|-----------------------|
| z | 3.5 | | | | | | | | | | | 3.3 | 2.0 |
| Z | 4.3 | | | | | | | | | | | 4.3 | 1.5 |
| ¥ | 4.3 | 7.2 | | | | | | | | | | 4.9 | 9.2 |
| ENE | 1./ | 4.3 | | 1.4 | 1. | | | | | | | 7.41 | 2.0 |
| - | 3.5 | 2.0 | | | | | | | | | | 6.9 | 0.4 |
| ESE | 2.7 | 2.0 | 1. | | | | | | | | | 6.6 | 100 |
| 35 | | 1.4 | 1.4 | | | | | | | | | 5.5 | 3.4 |
| 386 | | 1. | | | | | | | | | | 7.04 | 0.0 |
| • | | 1.2 | • | | | | | | | | | 8.2 | 9.8 |
| SSW | | 1. | | | | | | | | | | 7.7 | 3.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | 2.0 |
| * | | | | | | | | | | | | | |
| WWW | | | | | | | | | | | | | |
| WW | | | | | | | | | | | | | |
| MNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | \bigvee | X | X | X | X | X | X | X | X | 43.3 | |
| | 30.5 | 19.1 | 3.5 | 2.1 | 7. | .7 | | | | | | 100.0 | 2.4 |

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

100

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

SANTA ANAS CALIFORNIA

93114 STATION

STATION NAME

ALL WEATHER

10

FEB MONTH

COMDITION

| SPEED (KNTS) DIR. | 1.3 | 9.4 | 7 - 10 | 11 . 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 85 VI | × | MEAN WIND SPEED |
|-------------------------|------|-------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| Z | 1. | | | | | | | | | | | | 2.0 |
| N. N. | 1. | 1. | | | | | | | | | | 1.4 | 0.4 |
| Z | | | | 7.7 | | | | | | | | 3.3 | 11.8 |
| E E | *** | 1. | | | | | | | | | | 2.0 | 200 |
| | | | 1. | | | 1. | | | | | | 107 | 16.3 |
| ESE | 1. | 3.3 | | 1.4 | | | | | | | | **0 | 0.3 |
| SE | 7.7 | 9.7 | 3.5 | | | | | | | | | 1.0 | **0 |
| SSE | 1.4 | 7.4 | 1. | * | | | | | | | | 0.6 | 6.0 |
| 5 | 8.5 | 2.1 | 7.7 | | | | | | | | | 10.0 | 2.0 |
| SSW | 2.5 | 7 . 4 | 1. | | | | | | | | | 0.0 | 2 |
| WS. | ,• | 7.1 | | | | | | | | | | *** | |
| WSW | | 6.4 | 1. | | | | | | | | | 201 | 0 |
| * | 2.6 | 0.0 | • | | | | | | | | | 7.007 | 30.1 |
| WWW | 1.5 | 3.5 | | | | | | | | | | 201 | 1.6 |
| ¥ | ,• | | | | | | | | | | | • | 200 |
| ANN | ,• | | | | | | | | | | | * • • | 613 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | \bigvee | 74.1 | |
| | 27.0 | 31.2 | 6.6 | 5.7 | .7 | .7 | .7 | | | | | 100.0 | 4.1 |

0

141

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

E

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

020

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114 STATION

0

0

0

0

0

0

0

0

0

0

0

0

0

ALL WEATHER

13 HOURS (L.S.T.)

FEB souts

CONDITION

| SPEED (KNTS) DIR. | 1.3 | 9.7 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | % % | * | |
|-------------------------|-----------|------------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|----|
| z | | 1. | 1. | | | | | | | | | 1.4 | - |
| N. | | | 1. | 1.4 | | | | | | | | 1.5 | |
| Z. | | | 7.4 | | | | | | | | | 7.1 | L. |
| ENE | | | 1.4 | •• | 7.4 | | | | | | | 3.5 | - |
| | 1. | 1. | 1.4 | | | | | | | | | 2.8 | _ |
| ESE | | | | | | | | | | | | | |
| 35 | 1.4 | | 1.4 | 1. | | | | | | | | 3.5 | - |
| SSE | | | 1.4 | | | | | | | | | 2.8 | - |
| | | 7.4 | 2.0 | 2.1 | | | | | | | | 4.0 | - |
| SSW | 1.4 | 2.8 | 2.8 | **1 | | | | | | | | * | - |
| SW. | | †•• | 6.4 | | | | | | | | | 9.0 | - |
| WSW | 2.8 | 7.6 | 5.5 | 1. | | | | | | | | 23.4 | - |
| * | 7.7 | | 7.0 | 2.1 | | | | | | | | 27.0 | - |
| WWW | | 4.4 | 1. | | | | | | | | | 2.8 | - |
| × | | | | | | | | | | | | • | |
| NNN | | | | | | | | | | | | 1.64 | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | \bigvee | X | \bigvee | 2.0 | _ |
| | 6.6 | 34.0 | 36.9 | 11.3 | 2.8 | | | | | | | 100.0 | - |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SURFACE WINDS

Ë

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CLASS

16 HOURS (L.S.T.)

FEB MONTH

COMBITION

| 1 | |
|---|--|
| | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| - | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| | |
| | |
| 1 | |
| 1 | |
| | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| | |
| | |
| 1 | |
| | |
| | |
| | |

| SPEED (KNTS) DIR. | 1.3 | • • | 0. | 11 . 16 | 17 - 21 | 22 - 22 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | % Al | × | MEAN WIND SPEED |
|-------------------------|-----------|------|------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| Z | | | 1.04 | | | | | | | | | 2.8 | 9.8 |
| ENE | | 1. | 1.04 | 104 | | | | | | | | 3.5 | 10.4 |
| - | 1. | | | | | | | | | | | *** | 0.0 |
| ESE | | | | | | | | | | | | | 12.0 |
| 35 | | 1. | | 1. | | | | | | | | * | 6.0 |
| SSE | | | | | | | | | | | | 1.4 | 0.6 |
| s | 1. | 1. | 3.5 | 4.1 | | | | | | | | 4.9 | 2.8 |
| SSW | 1. | 9.7 | 2.1 | | | | | | | | | 7.6 | 7.0 |
| SW | 1. | 4.3 | 6.4 | | | | | | | | | 6.6 | 6.9 |
| WSW | 1.2 | 16.3 | 10.3 | 8.3 | | | | | | | | 31.0 | 1.0 |
| * | 1. | 4.0 | 10.6 | 2. | | | | | | | | 6113 | 8.7 |
| WNW | | 4.4 | • | | | | | | | | | 7.5 | 2.0 |
| ¥ | | | | | | | | | | | | | |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | X | X | \bigvee | X | \bigvee | \bigvee | \bigvee | \bigvee | X | \bigvee | 201 | |
| | 4.9 | 31.9 | 44.0 | 14.9 | .7 | | | | | | | 100.0 | 7.5 |
| | | | | | | | | | | | | | |

93114 STATION

SANTA ANA, CALIFORNIA

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

STATION MAME

YEARS

ALL MEATHER

CONDITION

19

FEB MONTH

| MEAN WIND SPEED | 2.0 | | | 2.6 | 3.6 | 7.8 | 3.5 | 20% | 3.3 | 3.5 | 3.8 | 4.7 | 5.3 | | 0.1 | 2.0 | | | |
|-------------------------|------|-----|---|-----|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-------|-----------|--|
| * | 1.04 | | | 3.5 | 9.5 | 2.8 | 4.3 | 7.1 | 14.2 | 12.1 | 6.3 | 7.1 | 4.0 | | | | | 27.0 | |
| % Al | | | | | | | | | | | | | | | | | | \bigvee | |
| 86 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41.0 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34.8 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | X | |
| 2 · 2 | | | | | | | | | | | | | | | | | | X | |
| 17 . 21 | | | | | | | | | | | | | | | | | | X | |
| 91 . 11 | | | | 1. | | 1. | | | | | | | 1. | | | | | X | |
| 7 . 10 | | | | | 1.04 | 1. | | 1. | | | | 1. | | | | | | X | |
| ; | | | | 7.7 | 7.7 | 7.4 | 7.4 | 6.4 | 2.7 | 2.0 | 1.4 | 2.0 | 3.5 | | | | | X | |
| :: | 1.4 | | | | 5.0 | | 2.8 | 1.2 | 6.5 | 1:1 | 2.1 | | 2.1 | | 1. | | | X | |
| SPEED (KNTS) DIR. | z | NN. | ¥ | BNE | 2 | ESE | * | 358 | | SSW | *S | WSW | * | WWW | W | NNW | VARBL | CALM | |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

1111

SURFACE WINDS

YEARS 73-77 ALL WEATHER CONDITION CLASS SANTA ANA, CALIFORNIA STATION MAME

HOURS (1. 5.7.)

22

FEB

| (KNTS) | 61 | • • | 7 . 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 . 46 | 41.47 | 48 . 55 | ** | * | MEAN WIND SPEED |
|--|-----------|-----------|-----------|---------|---------|---------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | 1. | 0.2 |
| NN | 1.6 | 1. | | | | | | | | | | 7.5 | 2.0 |
| NE. | 2.8 | 4.4 | | | | | | | | | | 2.0 | 6.9 |
| ENE | 6.3 | 7.4 | | | | | | | | | | 5.1 | 2.8 |
| | 3.5 | 1. | 1.4 | | | | | | | | | 1771 | 4.1 |
| ESE | 1. | 3.5 | | 5.1 | | | | | | | | 5.1 | 5.9 |
| SE | 1.4 | 1. | 1. | | | | | | | | | 2.8 | 4.5 |
| SSE | 1.4 | | 1.4 | | | | | | | | | 3.5 | 0.0 |
| 8 | 2.8 | *** | | | | | | | | | | 5.1 | 5.0 |
| SSW | 1.4 | 1.4 | | | | | | | | | | 2.8 | 3.0 |
| SW | | | | | | | | | | | | 1. | 0.4 |
| WSW | , . | | 1. | | | | | | | | | 1.64 | 2.0 |
| * | 1. | | | | | | | | | | | • | 3.0 |
| WWW | | 5.1 | | | | | | | | | | 7.7 | 0.4 |
| ¥ | | 1. | | | | | | | | | | | 2.0 |
| MNN | | | | | | | | | | | | | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | \bigvee | X | X | X | \bigvee | \bigvee | \bigvee | X | \bigvee | 47.5 | |
| | 23.4 | 21.3 | 5.0 | 2.1 | | | | | | | | 100.0 | 2.2 |

93114

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

SANTA ANA, CALIFORNIA

93114

0

ALL HEATHER CLASS

YEARS 73-77

ALL HOURS (LST.)

FEB

CONDITION

| SPEED 1 - 3 | *: | 7 . 10 | 11 - 16 | 17.21 | 22 . 27 | 28 - 33 | 34 - 40 | 41 . 47 | 48 . 55 | 8 | * | WIND |
|-------------|-------------|-----------|-----------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-------|------|
| ſ | 6 | | | | | | | | | | 1.3 | 3.5 |
| 1.6 | 9 | .2 | .2 | | | | | | | | 2.6 | 3.8 |
| 2.2 | | 4. | 5. | 5. | | 7. | | | | | 7.4 | 1.9 |
| 3.7 | 7 | .5 | 6. | | .2 | | | | | | 7.6 | 5.8 |
| 3.1 | 1.2.7 | 9. | -: | | 7. | | | | | | 9.9 | |
| 1.2 | | | 0. | | | | | | | | 1.4 | 5.5 |
| 1.2 | 7.1 2 | 7.1 | 7. | | | | | | | | 6.9 | 5.7 |
| • | 7 1.7 | 9. | 4. | | | | | | | | 3.5 | 2.9 |
| 2.2 | 1.2 2 | 7.1 | 0. | | | | | | | | 6.3 | 0.0 |
| 1.8 | 6.1 8 | 7.1 | 7. | | | | | | | | 5.1 | 2.5 |
| • | 7.1 | 701 | 7. | | | | | | | | 2.6 | 5.9 |
| - | 1 4.5 | 3.0 | | • | | | | | | | 8.6 | 6.3 |
| 2.0 | 3.6 | 6.7 | 1:1 | | | | | | | | 1.6 | 2.9 |
| *. | 1.1 | 6. | -: | | | | | | | | 1.8 | 4.9 |
| .3 | 2 | | | | | | | | | | 7. | 5.5 |
| • | 7. 4 | | | | | | | | | | 6. | 2.1 |
| | | | | | | | | | | | | |
| X | \setminus | \bigvee | \bigvee | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 29.7 | |
| 23.3 | 3 26.2 | 14.3 | 5.3 | .7 | .3 | .2 | | | | | 0.001 | 3.9 |

3836

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET SMOS

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| MAR | HOMTH | 10 | HOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL WEATHER | CIV88 | COMBITION |
| SANTA ANA, CALIFORNIA | STATION MAME | 1 | | |

| WIND | 1.2 | 0.1 | 6.4 | 3.1 | 3.3 | 6.4 | 4.3 | 9.6 | 3.5 | 8.0 | 11.0 | 5.5 | 5.3 | | 6.5 | | | | 1,9 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|-----------|-------|
| * | 1.9 | 9. | 5.8 | 1.9 | 4.3 | 5.8 | 1.1 | 4.3 | 5.6 | 0. | 0. | 6.1 | 5.5 | | 1.3 | | | 51.04 | 100.0 |
| 8 | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 . 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 41.4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| $n \cdot n$ | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | | | | | | 9. | | | | | | | | | | \bigvee | 9. |
| 11 . 16 | | | 9. | | | | | | | | 9. | | | | | | | \bigvee | 1.3 |
| 7 . 10 | | | 9. | | | 1.3 | 1.9 | 9. | | • | | | | | 9. | | | X | 5.6 |
| • • | 0. | | 0. | • | 6.5 | | 1.9 | 0. | 1.3 | | | 1.3 | 1.9 | | 9. | | | X | 14.2 |
| : | 1.3 | 9. | 3.9 | 1.3 | 1.9 | 5.0 | 3.9 | 4.0 | 1.3 | | | 0 | 0. | | | | | X | 20.6 |
| (KNTS) DIR. | z | Z. | Z | Z | - | ESE | * | 358 | | SSW | ×S. | WSW | * | WNW | × | MMM | VARBL | CALM | |

DIRNAVOCEANMET SMOS

=

155

TOTAL NUMBER OF ORSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

04 0.5.7.3

MAR HOMTH

YEARS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 states

73-77 SANTA ANA, CALIFORNIA

0

0

0

0

ALL WEATHER

| z | :- | : | 7 - 10 | 11 . 16 | 17 . 21 | 22.22 | 28 . 33 | 3 8 | 41.4 | 48 . 55 | ** | × | MEAN WIND SPEED |
|-------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| | 1 | T | | 9. | | | | | | | | 1.99 | 5.3 |
| N. | 9 | 3.6 | | | | 9. | | | | | | 4.5 | 7.3 |
| Z | 4.5 | 1.3 | | 0. | | | | | | | | 6.9 | 3.6 |
| 2 | 6.9 | 9.6 | 9. | | 9. | | | | | | | 11.6 | |
| - | 6.9 | 9. | • | | | | | | | | | 1. | |
| ESE | 1.3 | 6:1 | | | | | | | | | | 3.6 | * |
| * | 6:1 | 0.5 | 1.3 | 1.3 | | | | | | | | 6.0 | 9.0 |
| 388 | 1.3 | | | | | | | | | | | 2.0 | 0.4 |
| • | 5.5 | 0. | | | | | | | | | | 3.6 | 9.2 |
| SSW | | | | 9. | | | | | | | | 9. | 15.0 |
| SW | | | | | | | | | | | | | |
| WSW | 1.3 | | | | | | | | | | | 1.3 | 3.0 |
| * | 9. | 1.3 | 0. | 9. | | | | | | | | 3.2 | 9.9 |
| WWW | | | | | | | | | | | | | |
| ¥ | | | | | | | | | | | | | |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | X | \bigvee | 4.01 | |
| | 27.7 | 16.8 | 3.2 | 3.9 | • | 9. | | | | | | 10000 | 2.5 |

=

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

i

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114 STATION

Q

ALL MEATHER CONDITION

HOURS (L.S.T.)

MAR 07

| MEAN WIND SPEED | 6.9 | 4.8 | 6.9 | | 513 | 3.0 | 2.0 | 5.6 | 0.0 | 3.0 | | 8.2 | 1.5 | 15.0 | | | | | 2.0 |
|-------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|------|---|-----|-------|-----------|-------|
| * | 0.2 | 5.5 | 6.0 | 3.6 | 13.5 | 5.5 | 5.8 | 3.6 | 1.3 | 9. | | 3.2 | 1.3 | 9. | | | | 6.26 | 0.001 |
| 8 | | | | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 . 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 46 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 22 | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | | | | | | | | | | X | |
| 11 . 16 | 0. | 9. | 1.3 | | | | | | | | | | | •• | | | | X | 3.2 |
| 7 . 10 | | | | | | 9. | 1.09 | | 9. | | | 2.6 | 0. | | | | | X | 6.9 |
| 9. | 0 | | 0. | 0. | 9.5 | | 3.6 | 0. | 0 | | | 9. | 0. | | | | | X | 10.3 |
| •:- | 1.5 | 1.9 | 6.4 | 9.2 | 11.0 | 1.9 | 9. | 5.5 | | 9. | | | | | | | | X | 27.1 |
| SPEED (KNTS) DIR. | z | NN. | ž | ENE | 3 | ESE | 38 | SSE | s | SSW | WS. | WSW | * | WWW | ¥ | MMM | VARBL | CALM | |

0

0

0

Q

10 HOURS (L.S.T.)

MAR

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

| SURFACE | | | |
|---|-----------------|---------------|-----------|
| 9 | | YEARS | |
| PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | 73-77 | ALL MEATHER | CONDITION |
| PERCENTAGE DIREC (FROM HO | ANA, CALIFORNIA | 57.47.0M MANE | |
| NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC | SANTA ANAS | | 1 |
| NAV | | | |

| OIR. | .: | • | 7 - 10 | 1 . 16 | 17 - 21 | 22 · 27 | 28 · 33 | 34 . 40 | 41 . 47 | 48 · 55 | % Al | × | MEAN WIND SPEED |
|-------|-----------|------|--------|--------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-------|-----------------------|
| z | 9. | | | 9. | | | | | | | | 1.3 | 8.5 |
| Z | 1.9 | 1.3 | | 9. | | | | | | | | 3.9 | 4.5 |
| ¥ | 9. | | 9. | | 1.9 | | | | | | | 3.6 | 13.0 |
| ENE | 9. | | | | 0. | | | | | | | 1.3 | 10.5 |
| | 1,3 | 9. | 9. | | | | | | | | | 2.6 | 4.3 |
| ESE | 1.9 | 1.3 | | | | | | | | | | 3.2 | 3.6 |
| SE | 1.9 | 1.3 | 9. | 1.9 | | | | | | | | 5.8 | 7.4 |
| SSE | 1.3 | 9.2 | 1.3 | | | | | | | | | 2.5 | 5.4 |
| | 5.8 | 3.9 | 1.3 | 9. | 9. | | | | | | | 12.3 | 4.9 |
| SSW | 1.3 | 5.6 | 3.6 | | | | | | | | | 8.4 | 5.5 |
| ×S | 1.9 | 9.7 | | | | | | | | | | 4.5 | 3.1 |
| WSW | 1.3 | 3.9 | 1.9 | | 9. | | | | | | | 1.1 | 6.8 |
| * | 3.9 | 4.5 | 2.5 | 9. | 0. | | | | | | | 14.6 | 6.5 |
| WWW | 1.9 | | | 0. | | | | | | | | 3.9 | 6.9 |
| ž | 9. | 9. | | | | 9. | | | | | | 1.9 | 10.0 |
| NNN | 9. | 1.9 | | | | | | | | | | 5.6 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | M | \bigvee | \bigvee | 17.4 | |
| | 27.7 | 29.7 | 14.6 | 5.2 | 4.5 | 9. | | | | | | 10000 | 4.9 |

200

DIRNAVOCEANMET SMOS

0

0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

ALL WEATHER

13 HOURS (L.S.T.)

MAR MONTH

COMDITION

| MEAN WIND SPEED | 6.3 | | 9.6 | 14.0 | | 0.9 | 5.5 | 2.0 | 1.4 | 4.1 | 1.6 | 8.9 | 8.1 | 8.5 | 0.6 | | | | 7.8 |
|-------------------------|-----|----|-----|------|---|-----|-----|-----|-----|------|------|------|------|-----|------|-----|-------|-----------|-------|
| * | 1.9 | | 3.2 | 9. | | 1.3 | 2.0 | 9. | 0.6 | 15.5 | 0.11 | 6.62 | 6.12 | 3.9 | 1.9 | | | 5.6 | 100.0 |
| 8 | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 . 55 | | | | | | | | | | | | | | | | | | X | |
| 41.4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 45 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 . 22 | | | | | | | | | | | | 9. | | | | | | X | 4. |
| 17 . 21 | | | | | | | | | | | | 9. | | | | | | X | 9. |
| 11 . 16 | 9. | | 1.3 | • | | | | | 9.2 | 1.9 | 1.3 | 4.5 | 5.6 | 0. | 9. | | | X | 16.8 |
| 7 . 10 | 0. | | 1.3 | | | 9. | 0. | | 5.0 | 1.1 | 6.5 | 1.6 | 12.9 | 1:5 | | | | X | 6 8 9 |
| • | 9. | | | | | • 0 | 1.3 | | 9.2 | 2.5 | 6.1 | 1.1 | 2.6 | 4.5 | 1.3 | | | X | 27.1 |
| : | | | 0. | | | | 0 | 9. | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | | | | | X | 4 |
| SPEED (KNTS) DIR. | z | N. | w | Z. | • | ESE | 35 | SSE | | SSW | ×s | WSW | * | WHW | N.W. | NNW | VARBL | CALM | |

DIRNAVOCEANMET SMOS

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

93114 STATION

0

0

5.0

1.3

MEAN WIND SPEED

28 . 33

22 . 27

17 - 21

11 . 16

7 . 10

4.6

-3

SPEED (KNTS) DIR.

...

9.

9.

Z

ENE

ZZ

z

8.0

1.3

300

1.8 8.0 8.3

0.62 78.4

1.03

3.9

13.5

1.3

WSW

3

SSW

WWW

₹

VARBL CALM

NX X

ž

7.7

1.3

6.1 10.3

> 0 3.6 300 3.0

1.3

•

0

9.

1.3

ESE 38

w

9.

1.3

0.

0

15.5

9.1

8.7

13.0

1.3

15.0

1.3

13.0

2.5

2.0

2.6

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114

YEARS

WEATHER

ALL

HOURS (L.S.T.)

91 MONTH

MAK

CONDITION

12 48 . 55 41 - 47 34 - 40

TOTAL NUMBER OF OBSERVATIONS

155

9.6

10000

3.2

20.0

47.7

23.6

4.5

1.3

=

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 0

0

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

9

3.9

14.2

38.1

25.2

0

6:1

4.5

4.5

2.6

WSW

*

WWW

NNW VARBL

CALM

4.5

2.6

•

1.3 •

0.0

3.6

SSW

s

0

S.

0.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

Ê

SURFACE WINDS

73-77

SANTA ANA, CALIFORNIA

93114 STATION

0

YEARS

ALL WEATHER

HOURS (L.S.T.) 19

MAR MONTH

COMDITION

28 . 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

9.

9. 9 0 0 0

•

Z Z Z

0

)

1.3

ESE SSE

0

.

1.9

6.1.

| WIND WIND SPEED | 0.0 | 5.3 | 3.0 | 0.4 | 4.5 | 5.0 | 7.9 | 5.3 | 3.4 | 3.4 | 6.0 | 9.6 | 5.9 | 5.5 | 0.4 | 18.0 | | 4.2 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|-----|-----|------|------|-------|
| * | 9. | 1.9 | 9. | 9. | 1.3 | 9.2 | 3.6 | 4.5 | 6.21 | 0.11 | 3.6 | 18.7 | 15.5 | 1.3 | 0. | 9. | 18.1 | 100.0 |
| % Al | | | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | X | |
| 41.47 | | | | | | | | | | | | | | | | | X | |
| 34 . 40 | | | | | | | | | | | | | | | | | X | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

25

22 HOURS (LS.T.)

MAR MONTH

YEARS

73-77

SANTA ANA, CALIFORNIA

93114 STATION

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1.3 | • • | 7 - 10 | 91 - 11 | 17 - 21 | 22 . 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | % AI | * | MEAN WIND SPEED |
|-------------------------|-----------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| z | 9. | | 9. | | | | | | | | | 1.3 | |
| N. | | 0. | 9. | | | | | | | | | 1.3 | |
| ¥ | 1.3 | 1.9 | | 0. | 9. | | | | | | | 4.3 | |
| ENE | 5.2 | 0. | | | | | | | | | | 2.8 | |
| | 1.3 | 1.3 | 9. | | | | | | | | | 3.6 | |
| ESE | 2.6 | 2.6 | 0. | | | | | | | | | 3.4 | |
| 35 | 1.3 | 3.9 | 1.3 | | | | | | | | | 6.0 | |
| SSE | 3.9 | 9.2 | 1.03 | | | | | | | | | 1.1 | |
| | 1.9 | 1.9 | | 0. | | | | | | | | 4.5 | |
| SSW | | 9. | | | | | | | | | | 0. | |
| AS. | | 9. | | | | | | | | | | 9. | |
| WSW | | 6.1 | | | | | | | | | | 2.0 | |
| * | 1.3 | 9. | 9. | | | | | | | | | 2.0 | |
| WWW | 9. | 4.4 | •• | | | | | | | | | 2.0 | 5.5 |
| × | | ç• | 9. | | | | | | | | | 1.3 | |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | X | \bigvee | X | \bigvee | 46.3 | |
| | 20.6 | 23.9 | 7.1 | 1.3 | 9. | | | | | | | 100.0 | 2.5 |

DIRNAVOCEANMET SMOS

:

22 . 27

17 - 21

11 . 16

7 - 10

4.6

..3

SPEED (KNTS) DIR.

Z Z

ENE

w

WZ.

1240

TOTAL NUMBER OF OBSERVATIONS

1.4

6.0

17.9

55.9

20.2

BUBB

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

8888

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114

ALL WEATHER

ALL HOURS (L.S.T.)

ZAR MONTH

| MEAN WIND SPEED | 5.9 | 5.5 | 6.9 | 0.4 | 3.1 | 5.5 | 2.1 | 4.9 | 2.0 | 1.0 | 6.0 | 104 | 1.1 | 701 | 0.6 | 9.9 | | 4.3 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|-------|
| * | 1.0 | 6.1 | 0.4 | 3.1 | 4. | 3.7 | 6.5 | 3:1 | 4.0 | 6.0 | 7.4 | 0.11 | 11.3 | 1.1 | 1.0 | • | 30.4 | 100.0 |
| % Al | | | | | | | | | | | | | | | | | X | |
| 48 · 55 | | | | | | | | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | | | | | | | | X | |
| 34 . 46 | | | | | | | | | | | | | | | | | X | |
| 28 - 33 | | | | | | | | | | | | | | | | | X | |

.

0. 1.0 * . 9.7 6.7 0.4

3000

-

0

4.7

SSW

ø

7.7 7.7

SS SE SSE -

7:1

1.5

4.6

WSW

¥

×S.

N

ž ₹ Z VARBL CALM

:

7.

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

HOURS (L.S.T.)

APR MONTH 0

YEARS

73-77

SANTA ANA, CALIFORNIA

93114

STATION NAME

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

0

| 1.5 | • | | 7 . 10 | 11 . 16 | 17 . 21 | 22 . 27 | 28 · 33 | 34 . 40 | 41.47 | 48 - 55 | % Al | * | WIND |
|--------------|---------|-----|--------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|------|
| | | | | | | | | | | | | | 2.0 |
| | | | | | | | | | | | | 6.1 | 5.5 |
| | 1.3 | | | | | | | | | | | 3.3 | 3.8 |
| | 0.2 | | | | | | | | | | | 0.6 | 3.0 |
| | 6.1 | | | | | | | | | | | 4.1 | 6.2 |
| | 0.2 | | | | | | | | | | | 0.4 | 3.0 |
| | 1. | 1. | | | | | | | | | | 6.1 | 7.4 |
| | 6.7 1.3 | 1.3 | | | | | | | | | | 0.4 | 5.5 |
| | 1.3 1.3 | 1.3 | | | | | | | | | | 3.3 | 5.4 |
| | | | | | | | | | | | | | 3.0 |
| | 1. | | | | | | | | | | | | 4.0 |
| | | | | | | | | | | | | 1. | 3.0 |
| | 3.3 | | | | | | | | | | | 1.04 | 6.1 |
| 7.0000 | | | | | | | | | | | | 2.0 | 3.3 |
| 7.0000 1.7 | | | | | | | | | | | | | |
| 7. 56.7 | | | | | | | | | | | | | |
| 7. 100.0 1.7 | | | | | | | | | | | | | |
| 7. 100.0 1.7 | | X | V V | X | \bigvee | 299 | |
| | 20.03.3 | 3.3 | | .7 | | | | | | | | 100.0 | 1.7 |

DIRNAVOCEANMET SMOS

APR HOURS (L.S.T.)

Ē

SURFACE WINDS

| SURFAC | | | | | |
|---|-----------------------|--------------|-------------|-------|--|
| VIND (S) | | YEARS | | | |
| PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | 73-77 | | ALL WEATHER | CLASS | |
| | CALIFORNIA | STATION NAME | | | |
| NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC | SANTA ANA, CALIFORNIA | | | | |
| ž | | - | | | |

COMBITION

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

93114 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1489

| BH VILLE, NC | | PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | |
|---------------|--------------|---|------------|
| SANTA ANA, CA | CALIFORNIA | 73-77 | APR |
| | STATION NAME | YEARS | HONTH |
| | | ALL WEATHER | 07 |
| | | CLASS | NOURS (L.S |
| , | | CONDITION | |

| SPEED (KNTS) DIR. | 1.3 | 9:+ | 7 . 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | % AI | × | WIND SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|---------------|
| z | | | | | | | | | | | | | |
| Z | | 1. | | | | | | | | | | 2.0 | 10.3 |
| ¥. | 2.0 | | | | | | | | | | | 2.0 | 2.3 |
| ENE | 4.1 | 1. | - | | | | | | | | | 0.9 | 3.1 |
| - | 0.9 | 3.3 | | | | | | | | | | 9.3 | 5.9 |
| ESE | 4.1 | 3,3 | | | | | | | | | | 8.0 | • |
| SE | 3.3 | 5,5 | 1. | | | | | | | | | 6.3 | 4.5 |
| SSE | 2.7 | 2.0 | | | | | | | | | | 4.7 | |
| 5 | 1.3 | 1. | | | | | | | | | | 2.0 | 2.7 |
| SSW | 2.0 | | | | | | | | | | | 2.0 | 2.3 |
| AS. | 1. | | | | | | | | | | | 4. | 2.0 |
| WSW | 1.3 | | 1. | | | | | | | | | 0.2 | 4.3 |
| * | | | 1. | | | | | | | | | 1. | - |
| WNW | • | | 1. | | | | | | | | | 6.1 | 2 |
| NW | | | | | | | | | | | | | |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | 0.05 | |
| | 30.0 | 16.0 | 3.3 | | | | | | | | | 100.0 | 1.0 |

SURFACE WINDS

1110

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

| APR | MONTH | 10 | HOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL WEATHER | 56138 | COMBITION |
| SANTA ANA, CALIFORNIA | STATION NAME | | | |

| SPEED (KNTS) DIR. | : | • | 7 . 10 | 11 . 16 | 17 . 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41.47 | 48 . 55 | % AI | * | MEAN WIND SPEED |
|-------------------------|------|------|--------|---------|---------|-----------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| 2 | 1.3 | | | 1. | | | | | | | | 0.2 | 6.3 |
| NNE | | | | | | | | | | | | | |
| NE NE | | | 1. | | | | | | | | | 2.0 | 10. |
| ENE | | | | | | | | | | | | | 1.0 |
| | 0.2 | 1.3 | | | | | | | | | | 0.4 | 7.4 |
| ESE | 1.3 | 1. | 1. | | | | | | | | | 1.2 | 0.0 |
| SE | | 4.7 | | | | | | | | | | 3.3 | 4.4 |
| SSE | | 4.5 | | | | | | | | | | 2.0 | 0.0 |
| s | 3.3 | 0.4 | 2.0 | | | | | | | | | 9.3 | 4.6 |
| SSW | 1. | 0.4 | 1.3 | 1.3 | | | | | | | | 7.3 | 6.5 |
| NS. | 2.1 | 0.7 | | | | | | | | | | 5.3 | 4.3 |
| WSW | 6.5 | 1.0 | 5.5 | | | | | | | | | 14.0 | 201 |
| * | 6.1 | 0.1 | 3.3 | | | | | | | | | 18.0 | 205 |
| WWW | 2.1 | 7.0 | | | | | | | | | | 0.0 | 6.4 |
| ž | 1.3 | 1. | | | | | | | | | | 2.0 | 3.3 |
| NNN | 1.3 | 1. | | | | | | | | | | 2.0 | 3.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | X | \bigvee | 19.3 | |
| | 28.0 | 34.7 | 13.3 | 3.3 | 1.3 | | | | | | | 100.0 | 4.1 |

=

150

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

0

0

0

0

0

0

0

0

YEARS 73-77 ALL WEATHER COMDITION SANTA ANAS CALIFORNIA

13 HOURS (L.S.T.)

APR

| 7. 7. 7. 7. 11.3 2.0 3.3 1.3 2.0 2.0 13.3 2.7 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7 | SPEED (KNTS) DIR. | .: | ; | 7 . 10 | 1 . 16 | 17 . 21 | <i>u</i> · <i>u</i> | 28 · 33 | 34 . 46 | 41 - 47 | 48 - 55 | % AI | × | MEAN WIND SPEED |
|--|-------------------------|-----------|-----------|-----------|--------|---------|---------------------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 7. | z | | | | 1. | | | | | | | | 1. | 14.0 |
| 7. | N. | | | | | | | | | | | | | 10.0 |
| 1.3 | Z. | | | | | | | | | | | | 1. | 24.0 |
| 1.3 | ENE | | | | | | | | | | | | | |
| 1.3 6.7 2.0 2.0 2.0 15.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.1.3 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 | | | | | | | | | | | | | 1.3 | 4.5 |
| 1.3 | ESE | | | | | | | | | | | | | |
| 1.3 4.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5 | 25 | • | | | | | | | | | | | 1.3 | 8.5 |
| 1.3 | SSE | | | 1.3 | | | | | | | | | 1.3 | 8.5 |
| 1.3 %.0 4.0 4.0 15.3 2.0 15.3 2.0 15.3 2.0 15.3 2.0 15.3 2.0 15.3 2.0 15.3 2.0 15.3 2.7 7.0 15.3 2.7 7.0 15.3 2.7 7.0 15.3 2.7 7.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15 | • | | 0.7 | | 1.3 | | | | | | | | 6.1 | 8.6 |
| 1.3 4.0 15.3 9.3 2.0 1.3 4.0 15.3 9.3 2.0 23.0 23.0 | SSW | 1. | 1,3 | | 1.7 | | | | | | | | 13.3 | 8.9 |
| 1.3 4.0 15:3 2.0 22.7 22.7 22.7 22.3 2.7 7.7 100.0 | SW. | | 7.7 | | 4.0 | | | | | | | | 16.1 | 8.9 |
| ., 2.7 16.7 2.7 ., ., ., ., ., ., ., ., ., ., ., ., ., . | WSW | 1.3 | 0., | | 6.6 | 2.0 | | | | | | | 32.0 | 9.8 |
| 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | * | | 7.2 | | 1.7 | | | | | | | | 7577 | 8.6 |
| 1.3 4.7 12.7 50.7 21.3 2.7 .7 | WW | 1. | | | | | | | | | | | | 2.0 |
| 4.7 12.7 56.7 21.3 2.7 .7 | N. | | | | | | | | | | | | | 20.0 |
| 4.7 12.7 50.7 21.3 2.7 .7 | WW | | | | | | | | | | | | | |
| 4.7 12.7 56.7 21.3 2.7 .7 | ARBL | | | | | | | | | | | | | |
| 56.7 21.3 2.7 .7 | ALM | \bigvee | \bigvee | \bigvee | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 1.3 | |
| | | 4.7 | 12.7 | | | 2.7 | .7 | | | | | | 100.0 | 9.1 |

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

| APR | HOHTH | 10 | HOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL WEATHER | CLASS | COMBITION |
| SANTA ANA, CALIFORNIA | STATION NAME | | | |

| SPEED (KNTS) DIR. | : | • | 7 . 10 | 91 . 19 | 17 . 21 | 22 . 27 | 28 · 33 | 34 - 40 | 41 - 47 | 48 - 55 | % | × | MEAN WIND SPEED |
|-------------------------|-----|------|--------|---------|---------|---------|---------|-----------|-----------|---------|----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| N. | | | | | | | | | | | | | 14.0 |
| a z | | | | | | | | | | | | 1. | 12.0 |
| ENE | | | | | | | | | | | | 7. | 3.0 |
| | | | • | | | | | | | | | • | 10.0 |
| ESE | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | 3.0 |
| s | | 3.3 | 0.9 | | | | | | | | | 11.3 | |
| SSW | | 4.7 | 1.8 | • | | | | | | | | 0.41 | 1.4 |
| NS. | | 1.3 | 0.0 | 3.3 | | | | | | | | 15.7 | |
| WSW | 1.3 | 6.1 | 100 | * | | | | | | | | 30.1 | 9.4 |
| * | | 1.7 | 12.0 | 4.3 | | | | | | | | 24.0 | 10.0 |
| WWW | 1. | 1. | | | | | | | | | | 2.0 | - |
| × | | | | | | | | | | | | 1.3 | 15.0 |
| MNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | X | X | \bigvee | \bigvee | X | X | | |
| | 3.3 | 20.7 | 94.0 | 19.3 | 1.3 | .7 | | | | | | 100.0 | 8. |

0

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

3466

909

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

73-77

SANTA ANAS CALIFORNIA

YEARS ALL WEATHER CONDITION

19

APR MONTH

| SPEED (KNTS) DIR. | :: | : | 7 . 10 | 11 . 16 | 17 . 21 | 12 . 11 | 28 · 33 | 34 - 40 | 41 - 42 | 48 - 55 | % % | * | MEAN WIND SPEED |
|-------------------------|------|------|--------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z | | | 1. | | | | | | | | | | 8.0 |
| N X | | | | | | | | | | | | • | 0.9 |
| Z | | 1. | | | | | | | | | | | 2.0 |
| EN EN | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | 2.0 |
| * | | 1.7 | 1. | | | | | | | | | 3.3 | 2.0 |
| SSE | | 3.3 | 1.3 | | | | | | | | | 4.1 | 0.0 |
| 5 | 4.0 | 13.3 | 2.1 | | | | | | | | | 0.02 | ** |
| SSW | 0.9 | 10.0 | 0.2 | | | | | | | | | 0.81 | 4.5 |
| NS. | 0.4 | 7.7 | 1.3 | | | | | | | | | 8.0 | 5 |
| WSW | 5.3 | 2.3 | | | | | | | | | | 1.007 | 2 |
| * | 6.1 | 0.6 | | | 1.3 | | | | | | | 10.0 | 7.5 |
| WWW | | | 1.3 | | | | | | | | | 2.0 | • |
| ¥ | | | | | | | | | | | | 0.2 | 10.0 |
| NN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | \bigvee | 20 | |
| | 20.7 | 48.0 | 19.3 | ., | 2.7 | | | | | | | 100.0 | 5.0 |

DIRNAVOCEANMET SMOS

2.0 6.3

MEAN WIND SPEED

*

3.4

2.1

6.2 204

000

3.8 3.3

1.3 0.8 0.2 303 6.01

3.6

5.5

5.3

10.0

.

555

2.1

10000

48.7

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

SANTA ANA, CALIFORNIA

93114 STATION

0

0

0

0

YEARS

HOURS (L.S.T.) 22

APR MONTH

COMBITION

| | - 1 | | |
|--|-----|---|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | -1 | | |
| | | 7 | |
| | - | | |
| | | | |

17 - 21

11 . 16

7 . 10

4.6

..

SPEED (KNTS) DIR.

Z

z

0

2 2

0

0

.

.

1.3 . 1.3 0.2 1.3

2:5

25 25 25

3.3

2.0

WSW WSW

SSW

.

MAN

*

VARBL

CALM

NY.

ž

000

1.

12 48 - 55 41 - 47 34 . 40 28 . 33 22 . 27 TOTAL NUMBER OF OBSERVATIONS

1.3

19.3

24.0

150

DIRNAVOCEANMET SMOS

000

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

APR

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

()

()

TO BE STOLD

ALL HOURS (L.S.T.) 73-77 ALL MEATMER CONDITION SANTA ANA, CALIFORNIA

| % WIND SPEED | 1.5.7 | 8.9 6. | 2.0 6.5 | 5.7 2.9 | 4.0 3.4 | 3.4 3.3 | 4.0 4.5 | 3.7 4.8 | 7.7 5.4 | 1.2 6.3 | 5.1 7.2 | 11.9 7.7 | 11.7 | 2.0 5.5 | 0.01 8. | .3 3.3 | | |
|-------------------------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|------|---------|---------|--------|-------|---|
| 48 - 55 <u>2 56</u> | | | | | | | | | | | | | | | | | | |
| 41.47 | | | | | | | | | | | | | | | | | | |
| 28 - 33 34 - 40 | | | | | | | | | | | | | | | | | | |
| 22 - 27 | | 1. | | | | | | | | | | | | | 7. | | | |
| 17 - 21 | | | • | | | | | | | | | 4. | .2 | • | 2. | | | |
| • : : | 7. | 7. | 7. | | | | -: | | 7. | | 6. | 1.1 | 1:1 | 7. | | | | |
| 7 . 10 | 7. | 7. | 7. | - | 7. | 7. | • | 6. | 2.3 | 9.2 | 5.5 | 6.4 | 2.0 | | . 5 | | | - |
| • | 1. | 6. | 1. | 0. | 1.3 | 7.5 | 6.3 | 1.1 | 3.0 | | 1.4 | 3.6 | 3.3 | | 7. | 7. | | |
| : | 4. | 6.3 | | 1.5 | 4.7 | 7.7 | 1.5 | 1:1 | 1.6 | 1.5 | 7.1 | 1.5 | 7.4 | 1. | 7. | 2. | | |
| SPEED (KNTS) DIR. | z | NNE | NE NE | EN | - | 383 | 35 | SSE | • | SSW | SW | WSW | * | WWW | WW | MNN | VARBL | |

H

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114 STATION

1255

-

ALL MEATHER

COMBITION

O1 HOURS (L.S.T.)

MAY

| * WIND SPEED | | | | | | | | | | 3.9 3.0 | 0.6 9. | | 3.6 3.6 | 0.6 0. | | | | |
|----------------|---|-----|---|-----|-----|-----|-----|-----|-----|---------|--------|-----|---------|--------|---|-----|---|--|
| 8 | | | | | | | | | | | | | | | | | - | |
| 8 - 55 | | | | | | | | | | | | | | | | | - | |
| 41.47 | | | | | | | | | | | | | | | | | | |
| 34 - 46 | | | | | | | | | | | | | | | | | | |
| 28 · 33 | | | | | | | | | | | | | | | | | | |
| $n \cdot n$ | | | | | | | | | | | | | | | | | | |
| 17 . 21 | | | | | | | | | | | | | | | | | | |
| 11 . 16 | | | | | | | | | | | | | | | | | | |
| 7 . 10 | | | | | | 1.3 | 1.3 | 0. | 1.3 | | | | | | | | | |
| : | | | | | 1.3 | *** | 1.3 | 3.9 | 9.7 | 1.3 | 0. | 1.9 | | 9. | | | | |
| 1:3 | | | | 1.3 | 5.2 | 1.4 | 1.3 | 4.5 | 5.8 | 5.0 | | 1.3 | 1.3 | | | | | |
| (KNTS) DIR. | z | Z Z | ¥ | ENE | - | ESE | SE | SSE | s | SSW | SW | WSW | * | WWW | ž | NNN | | |

0

DIRNAVOCEANMET SMOS

12194191

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114 STATION

YEARS

ALL WEATHER

HOURS (1.5.T.)

0 MONTH

ZAY

COMBITION

1919

888

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

Service Land

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2

73-77

SANTA ANA, CALIFORNIA

93114 STATION

0

ALL WEATHER

YEARS

CONDITION

HOURS (L.S.T.)

07 MONTH

MAY

| WIND WIND SPEED | 4.5 | 5.0 | 2.0 | 2.0 | 3.0 | 3.5 | 1.5 | 4.4 | 6.4 | 0.4 | 3.8 | 2.8 | 8.4 | | 0.9 | 2.0 | | | 2.3 |
|-------------------------|------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-------|
| × | 1.03 | 0. | 9. | 9. | 10.4 | 1.1 | 11.7 | 4.5 | 8.4 | 1.9 | 9.2 | 3.9 | 2.6 | | 9. | 9. | | 2.24 | 10000 |
| % AI | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | | | | | | | | | X | |
| 34 - 40 | | | | | | | | | | | | | | | | | | X | |
| 28 - 33 | | | | | | | | | | | | | | | | | | X | |
| 22 - 27 | | | | | | | | | | | | | | | | | | X | |
| 17 - 21 | | | | | | | | | | | | | | | | | | X | |
| 11 . 16 | | | | | | | | | | | | | | | | | | X | |
| 7 . 10 | | | | | 9. | | 5.0 | 9. | 9. | | | 9. | 9. | | | | | X | 5.8 |
| • • | 1.3 | 0. | | | 1.9 | 3.9 | 2.0 | | 5.6 | 0. | 1.3 | | 9. | | 9. | 0. | | X | 25.3 |
| : | | | 0 | 9. | 7.8 | 3.6 | 3.6 | 1.9 | 1.9 | 1.3 | 1.3 | 3.6 | 6.1 | | | | | X | 26.6 |
| SPEED (KNTS) DIR. | z | N. | a a | ENE | 3 | ESE | 35 | SSE | • | SSW | NS. | WSW | * | WNW | × | MNN | VARBL | CALM | |

0

0

0

108

=

154

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SANTA

93114

0

0

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| MAY | MONTH | 10 | HOURS (L.S.T.) | |
|-----------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL WEATHER | striz | соирітіон |
| ANA, CALIFORNIA | STATION NAME | ALL W | | 100 |

| MEAN WIND SPEED | 0.4 | 3.0 | | | 4.5 | 0.7 | 6.4 | 2.5 | 5.5 | 7.4 | 5.1 | 2.0 | 4.1 | 3.0 | | | | 4.5 |
|-------------------------|-----|-----|---|----|-----|-----|-----|------|------|-----|------|------|-----|-----|-----|-------|-----------|-------|
| × | 3.6 | 9. | | | 2.0 | 1.9 | 2.5 | 12.9 | 10.3 | 1.6 | 10.3 | 21.3 | 4.5 | 1.9 | | | 12.5 | 100.0 |
| 95 41 | | | | | | | | | | | | | | | | | X | |
| 48 . 55 | | | | | | | | | | | | | | | | | X | |
| 41.4 | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 45 | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | \bigvee | |
| 22 . 27 | | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | | | | | | | | | X | |
| 11 . 16 | | | | | | 0. | | | 9. | 1.3 | | 9. | | | | | X | 3.2 |
| 7 - 10 | 0. | | | | 9. | | 1.3 | 4.5 | 1.9 | 3.6 | 3.6 | 3.9 | 0. | | | | X | 21.9 |
| • • | 1.3 | | | | 0. | 9. | 5.1 | 3.5 | 4.5 | 3.6 | 4.5 | 6.21 | 0.5 | 9. | | | X | 36.8 |
| 1.3 | 1.3 | • | | | 1.3 | 9. | 1.9 | 4.5 | 3.6 | | 5.0 | 3.9 | 1.3 | 1.3 | | | X | 22.6 |
| SPEED (KNTS) DIR. | z | W X | ¥ | Z. | 188 | 35 | SSE | • | SSW | AS. | WSW | * | WWW | ¥ | NWN | VARBL | CALM | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

3

13

MAY MONTH

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER SANTA ANAS CALIFORNIA

STATION NAME

93114

0

0

CONDITION

| MEAN WIND SPEED | | | | 2.0 | | 0.6 | 12.0 | 0.6 | 0.6 | 100 | 1.8 | 8.0 | 8 . 4 | | | | | 8.2 |
|-------------------------|---|-----|---|-----|-----|-----|------|-----|------|------|------|------|-------|----|-----|-------|-----------|-------|
| × | | | | 9. | | 1.9 | 9. | 1.9 | 18.1 | 4017 | 5.07 | 29.0 | 306 | | | | g. | 100.0 |
| 3 5 | | | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | \bigvee | |
| 41.4 | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 40 | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 27 | | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | 9. | | | | | | | | \bigvee | 4. |
| 11 . 16 | | | | | | 9. | •• | 9. | 2.5 | 3.6 | 0. | 4.5 | | | | | X | 5 |
| 7 . 10 | | | | | | 1.3 | | 9. | 1.1 | 10.3 | 18.1 | 13.5 | 3.6 | | | | X | 8.4.8 |
| • • | | | | | | | | 9. | c | 3.6 | 1.1 | 1.6 | | | | | X | 28.2 |
| | | | | 0. | | | | | 9. | 0 | | 1.3 | | | | | X | 3.2 |
| SPEED (KNTS) DIR. | z | NNE | ¥ | ENE | ESE | SE | SSE | | SSW | *S | WSW | * | WWW | NA | NNN | VARBL | CALM | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

SANTA ANAS CALIFORNIA

93114 STATION 16 NOURS (L.S.T.)

MAY MONTH

CONDITION

SPEED (KNTS) DIR.

| WIND | | | 3.0 | 7.8 | 0.6 | 6.3 | 0.8 | 8.0 | | | 8.1 |
|---------|--|--|-----|-----|-------|------|------|------|--|-----------|-------|
| × | | | 9. | 5.8 | 21.03 | 14.8 | 0.62 | 1.12 | | 1.3 | 100.0 |
| > 2 5 6 | | | | | | | | | | M | |
| 48 · 55 | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | X | |
| 22 - 27 | | | | | | | | | | X | |
| 17 . 21 | | | | | 9. | | | | | X | 4. |
| 11 . 16 | | | | 0. | 3.2 | 9.5 | 1.9 | 4.5 | | X | 12.0 |
| 7 - 10 | | | | 3.6 | 12.9 | 1.1 | 11.4 | 12.9 | | X | 2 |
| • • • | | | | 5 | 4.5 | 3.6 | 0.6 | 0.6 | | X | 27 7 |
| 1.3 | | | 0. | | | 1.3 | 0. | 9. | | | 2.2 |

NW NAW VARBL

CALM

* WW

SW WSW DIRNAVOCEANMET SMOS

0.0

0

MEAN WIND SPEED

12

41 - 47

34 - 40

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

.

Z 2 2

z

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114 STATION

YEARS

ALL WEATHER

HOURS (L.S.T.) 19

MAY MONTH

COMDITION

48 - 55

1.3

.

ESE SSE 80

w

1.3 5 . 4 2.0 3.5

0.5

4.61 1.6

37.7

SSW WSW WSW

0.6

0

0.

00

*NA

*

VARBL

CALM

₹ZZ

ž

10.01

0.0 5.3

9.7

100

5.9

11.6

2.0 8.0

4.1

10.8 4017 5.5

6.1

0.

2.0

.

2.6

TOTAL NUMBER OF OBSERVATIONS

155

5.3

100.0

9.

25.6

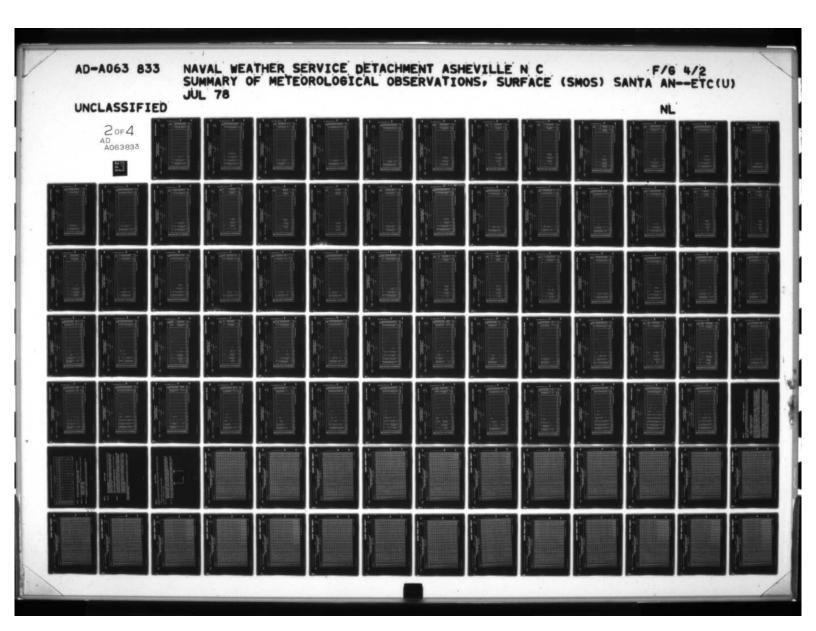
57.4

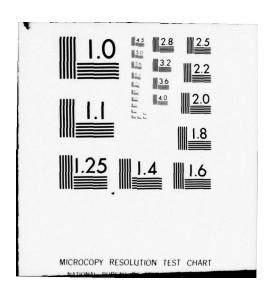
14.2

DIRNAVOCEANMET SMOS

12514 64151

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC





5702 SURFACE WINDS JAN 78

2000

6800

154

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SURFACE WINDS

967

22 HOURS (L.S.T.)

MAK MONTH

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

CONDITION

ALL WEATHER

| SPEED (KNTS) DIR. | 1.3 | • • | 7 - 10 | 91 . 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41.4 | 48 - 55 | VI 8 | × | MEAN WIND SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE NE | | | | | | | | | | | | | |
| ENE | 9. | | | | | | | | | | | 9. | 2.0 |
| 3 | 1.9 | 0. | | | | | | | | | | 2.6 | 2.8 |
| ESE | 1.3 | 4. | | | | | | | | | | 6.1 | 3.3 |
| SE | 3.9 | 5.6 | | | | | | | | | | 6.9 | 3,3 |
| SSE | 5.6 | 6.4 | | | | | | | | | | 1., | 7.7 |
| s | 7.1 | | 5.6 | | | | | | | | | 6.41 | 0.4 |
| SSW | 3.6 | | • | | | | | | | | | 8.5 | 307 |
| SW | 1.9 | 1.5 | | | | | | | | | | 206 | 3.6 |
| WSW | | 6.1 | | | | | | | | | | 1.3 | 4.5 |
| * | 7.1 | 5.6 | 9. | | | | | | | | | 11. | 3.6 |
| WNW | •• | 9. | | | | | | | | | | 601 | 3.0 |
| WW | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| NNN | 9. | | | | | | | | | | | 9. | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | 6.04 | |
| | 32,5 | 22.7 | 3.0 | | | | | | | | | 10000 | 2.2 |

STATION

93114

SANTA ANAS CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78 5702

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

SANTA ANA, CALIFORNIA

93114 STATION

MEATIER

CONDITION

YEARS ALL

ALL HOURS (LS.T.)

MAY -

\$. 4 3.9 4.0 3.4 1.2 3.0 9.4 8.0 1: 6.9 6:4 3.8 3.3 4.2 MEAN WIND SPEED 0 4.50 7.41 1.6 0 10.3 8.4 13.2 2. 27.2 100.0 8 . 55 4 41 . 47 34 - 40 28 . 33 22 . 27 . 17 - 21 4.0 6. 7:1 . . 7.1 11 . 16 0 0 3.0 5.5 0.4 21.6 . 7 . 6 9. 100 7 . 10 0 7 . 4 0.0 29.0 7: 2.2 7.0 2.1 • . 2. 7. . 7007677 5.3 18.1 2. 1.3 SPEED (KNTS) DIR. WSW MAN * * Z VARBL CALM 2 2 SSW 22 22 ESE 3 * -•

TOTAL NUMBER OF OBSERVATIONS

1238

1111

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

=

SURFACE WINDS

| D 7 | HOM | 0 | T) SURON | |
|-----------------------|--------------|-------------|----------|-----------|
| | YEARS | | | |
| 73-77 | | ALL WEATHER | C1A56 | COMBITION |
| SANTA ANAS CALIFORNIA | STATION NAME | | | |

| SPEED (KNTS) DIR. | : | *: | 7 . 10 | 91 . 11 | 17 - 21 | 12 · 22 | 28 - 33 | 34 - 40 | 41.0 | 48 - 55 | % | * | MEAN WIND SPEED |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|---------|-----------|------|---------|----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| NN N | | | | | | | | | | | | | |
| w Z | 1.3 | 1.3 | | | | | | | | | | 2.7 | 3.0 |
| ENE | 1,3 | .7 | | | | | | | | | | 5.0 | 2.3 |
| | 1.5 | | | | | | | | | | | 4.1 | 2.0 |
| ESE | 1.3 | | | | | | | | | | | | 2.0 |
| 35 | 0.4 | 1.3 | | | | | | | | | | 5.3 | |
| SSE | 3.3 | | | | | | | | | | | 0.4 | |
| | 9.1 | 5.3 | | | | | | | | | | 14.0 | 2.8 |
| ASS | 0.4 | 2.7 | | | | | | | | | | 6.1 | 3.4 |
| SW | | 0.5 | | | | | | | | | | 7.2 | 0.4 |
| WSW | | | | | | | | | | | | | |
| * | 2.7 | .7 | | | | | | | | | | 3.3 | 2.8 |
| WWW | | | | | | | | | | | | | |
| WW | 1. | | | | | | | | | | | | 2.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | \bigvee | \bigvee | X | X | X | \bigvee | X | X | X | 25.1 | |
| | 32,7 | 14.7 | | | | | | | | | | 100.0 | 1.3 |

9886

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

28 . 33

. 27

2

17 - 21

11 . 16

7 - 10

4.6

. 3

(KNTS)

. .

Z 2 2

z

0

0

8.6 6.2 6.2 6.2 0.2

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SANTA ANA, CALIFORNIA

STATION MAME

73-77

YEARS

NOURS (L.S.T.)

257 MONTH

COMBITION

WEATHER ALL

- 00 - 66 57.3 12 48 . 55 41 . 47 34 . 40

2000

330000

2 2 2

.

.

. . .

WSW

*

SSW

.

...

WNW

*

ž

•

VARBL N.

CALM

==

0.1

3.1

4.7

3.6 3.5 0.0 2.0

2.0 2.0 ===

150

TOTAL NUMBER OF OBSERVATIONS

..

100.0

14.7

27.3

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER SANTA ANA, CALIFORNIA

07 HOURS (L.S.T.)

こうつ -

| MEAN WIND SPEED | 0.1 | 3.0 | 2.7 | 2.0 | 1.9 | 3.8 | 0.0 | 3.1 | 3.7 | 3.0 | 3.0 | 3.0 | 3.5 | 5.3 | 5.5 | 2.0 | | | 1.7 |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-------|
| * | | | 2.0 | 1.3 | 0.0 | 6.7 | 0.4 | 1.3 | 8.1 | 4.1 | 1.3 | | 0.4 | 0.2 | 1.3 | • | | 48.0 | 100.0 |
| 8 | | | | | | | | | | | | | | | | | | X | |
| 4 . 55 | | | | | | | | | | | | | | | | | | X | |
| 0.14 | | | | | | | | | | | | | | | | | | \bigvee | |
| 4 . 4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| $n \cdot n$ | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 1 . 16 | | | | | | | | | | | | | | | | | | \bigvee | |
| 7 . 10 | | | | | | | | | 1. | | | | | 1. | | | | X | 1.3 |
| | | | | | | 0.4 | 1.7 | 0.4 | 3.3 | 4.3 | | | 6.5 | 1. | 1. | | | X | 19.3 |
| : | 1. | 1. | 2.0 | 1.3 | 0.9 | 1.7 | 1.3 | 3.3 | 4.4 | 3.3 | 1.3 | | 2.0 | | 1. | | | X | 31.3 |
| SPEED (KNTS) DIR. | z | N. | Z | ENE | - | 188 | * | 388 | • | ASS | NS. | WSW | * | WWW | 3 | MAN | VARBL | CALM | |

0

0

0

0

0

0

0

SURFACE WINDS JAN 78

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER COMBITION SANTA ANAS CALIFORNIA

10 HOURS (L.S.T.)

S -

| MEAN WIND SPEED | 1.0 | | | | | 2.0 | 2.0 | 3.1 | ** | 6.9 | 2.0 | 204 | 5.3 | 0.4 | 0.4 | | | | 4.4 |
|-------------------------|-----|-----|----|----|---|-----|-----|-----|------|------|-----|------|------|-----|-----|-----|-------|-------------|-------|
| × | | | | | | • | | 2.0 | 12.0 | 1001 | 0.8 | 15.0 | 34.1 | 00 | • | | • | 10. | 100.0 |
| 8 | | | | | | | | | | | | | | | | | | X | |
| 48 . 55 | | | | | | | | | | | | | | | | | | X | |
| 41.0 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 45 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| $n \cdot n$ | | | | | | | | | | | | | | | | | | \setminus | |
| 17 - 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | | | | | | | | | | | | | | | | \bigvee | |
| 7 . 10 | | | | | | | | | 1. | 1.3 | 6.7 | 7.07 | 0.0 | 1.3 | | | | \bigvee | 16.7 |
| • • | | | | | | | | 1.3 | 6.1 | 1.0 | 5.3 | 6.1 | 20.0 | 0.2 | | | | X | 50.7 |
| 1.3 | | | | | | | | | 0.4 | 1.2 | | 2.7 | 0.0 | 3.3 | | | | X | 22.0 |
| SPEED (KNTS) DIR. | z | NNE | 37 | S. | 3 | ESE | * | SSE | • | SSW | *S | WSW | * | WNW | ¥ | NNN | VARBL | CALM | |

=

DIRNAVOCEANMET SMOS

=

150

TOTAL NUMBER OF OBSERVATIONS

0

93114 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

250

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

COMBITION

HOURS (L.S.T.)

S 13

YEARS

73-77

SANTA ANAS CALIFORNIA

93114 STATION

2.0 8.4 6 . 8 1.8 1.3 8.0 7.7 7.2 1: WEAN WIND SPEED . 8.0 12.0 30.0 2.0 8.1 36.7 1.3 10000 12 48 . 55 41 . 47 34 - 40 28 . 33 22 - 27 17 - 21 7.0 7.7 8.7 1.7 11 - 16 0.0 0.8 18.0 21.3 2.0 62.0 1.3 7 - 10 6.6 0.0 11.3 6.1 . 24.7 4.7 1.3 2.0 .. VARBL SPEED (KNTS) DIR. N SSW WSW WWW CALM ZZ 2 2 KK 585 SW * Ž w

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

HOURS (L.S.T. 200 16 MONTH YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER CONDITION SANTA ANAS CALIFORNIA

| 1.3 4.6 7.10 11.16 17.21 22.22 28.33 34.40 41.47 48.55 ≥56 % WMI 2.0 5.3 .7 .7 | | | | | | | | | | | | | | |
|--|-------------------------|-----------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|---------|---------|-------|-----------------------|
| 2.0 5.37 4.0 5.37 4.0 7.3 2.0 8.7 20.7 4.0 8.7 20.7 4.0 13.3 14.0 1.3 7 13.3 14.0 1.3 | SPEED (KNTS) DIR. | 1.3 | 9: † | 7 . 10 | 11 . 16 | 17 - 21 | 22 - 27 | 28 · 33 | 34 . 46 | 41 - 47 | 48 - 55 | % AI | * | WEAN WIND SPEED |
| 2.0 5.3 .7 .7 .8.0 .7 | - | | | | | | | | | | | | | |
| 2.0 32.7 86.0 9.3 | w | | | | | | | | | | | | | |
| 2.0 32.7 50.0 9.3 | | | | | | | | | | | | | | |
| 2.0 32.7 50.0 9.3 | - | | | | | | | | | | | | | |
| 2.0 32.7 53.0 9.3 | | | | | | | | | | | | | | |
| 2.0 5.3 .7 8.0 6.7 6.7 1.3 6.7 6.7 7.3 2.0 6.7 20.7 4.0 7. 13.3 14.0 1.3 7. 13.3 14.0 1.3 7. 13.3 14.0 1.3 7. 13.3 14.0 1.3 | | • | | | | | | | | | | | | 2.0 |
| 2.0 5.3 .7 16.3 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 | | | | | | | | | | | | | | |
| 2.0 5.3 .7 1.3 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 | | | | 1. | | | | | | | | | | 8.0 |
| .7 4.7 5.7 1.3 8.7 20.7 4.0 8.7 20.7 4.0 7.1 13.3 14.0 1.3 7.1 13.3 14.0 1.3 | | | 2.0 | 5.5 | | | | | | | | | 6.8 | 7.5 |
| 2.0 32.7 50.0 1.00.0 100.0 | 3 | | 4.7 | | 1.3 | | | | | | | | 1501 | 1.8 |
| 2.0 32.7 50.0 4.0 2.0 32.7 50.0 9.3 | | | 0.4 | | 7.0 | | | | | | | | 14.0 | 8.0 |
| 2.0 32.7 50.0 9.3 | * | | 8.7 | | 4.0 | | | | | | | | 33.3 | 1.9 |
| 2.0 32.7 50.0 9.3 | | ,• | 13.3 | | 1.3 | | | | | | | | 5.67 | :- |
| 2.0 32.7 50.0 9.3 | * | | | | | | | | | | | | | 0.8 |
| 2.0 32.7 50.0 9.3 | > | | | | | | | | | | | | | 0.1 |
| 2.0 32.7 50.0 9.3 | * | | | | | | | | | | | | | |
| 2.0 32.7 50.0 9.3 | 1 | | | | | | | | | | | | | |
| 32.7 80.0 9.3 | * | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | X | X | \bigvee | \bigvee | X | X | 0. | |
| | | 2.0 | | 50.0 | | | | | | | | | 100.0 | 7.6 |

T

=

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

0

333

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

0

0

0

0

0

0

0

0

0

0

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

YEARS 73-77 ALL WEATHER SANTA ANA! CALIFORNIA

19 nous (1.5.T.)

S

| SPEED (KNTS) DIR. | :- | ; | 7 . 10 | ş. : | 12 - 21 | n · n | 28 - 33 | 3.18 | 4.4 | 4 . 35 | * | * | MEAN WIND SPEED |
|-------------------------|-----------|-----------|--------|------|---------|-------|---------|------|-----------|--------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| N. | | | | | | | | | | | | | |
| Z. | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| | _ | | | | | | | | | | | | |
| ESE | | 1. | | | | | | | | | | 1. | 0.0 |
| 25 | | | | | | | | | | | | | |
| 386 | | | | | | | | | | | | | |
| • | 1.2 | 10.0 | 1.3 | | | | | | | | | 14.0 | 4.3 |
| SSW | 3.3 | | 5.3 | • | | | | | | | | 15.3 | 0.0 |
| AS. | 2.0 | | 0.4 | | | | | | | | | 15.3 | 3. |
| WSW | 2.0 | | 0.0 | | | | | | | | | 30.7 | 3. |
| * | 1.3 | 14.0 | 0.9 | | | | | | | | | 21.3 | 3. |
| WWW | | | | | | | | | | | | | |
| WW | | | | | | | | | | | | | |
| NNN | | | | | | | | | | | | • | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | X | X | X | X | X | X | \bigvee | X | \bigvee | 0.2 | |
| | 12.0 | 0.09 | 24.7 | 1.3 | | | | | | | | 100.0 | 3.4 |

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

| SANTA ANA, CALIFORNIA STATION MANE ALL WEATHER CLASS C | | | DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | |
|--|-----|--------------|--|-------------|
| ALL WEATHER YEARS CLASS | ANA | CALIFORNIA | | NOT |
| \$9.00H | | STATION MAME | YEAR | MONTH |
| | | | ALL WEATHER | 22 |
| | • | | CLAFS | HOURS (L.S. |
| | | | COMBITION | |

93114 STATION

SURFACE WINDS JAN 78

Dage

800

1200

TOTAL NUMBER OF OBSERVATIONS

ALL HOURS (LS.T.) NO.

900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

SANTA ANAS CALIFORNIA

93114 STATION

STATION NAME

ALL WEATHER

YEARS

COMBITION

| WIND | 1.5 | 5.5 | 3.0 | 2.2 | 6.3 | 3.0 | 3.6 | 3.5 | 4.3 | 3.6 | 6.9 | 9.0 | 1.0 | 6.4 | 0.4 | 5.5 | | | 4.0 |
|-------------------------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|------|------|-----|-----|-------|-----------|-------|
| * | 6. | 2. | 1.1 | | 0.2 | 5.5 | 6.3 | 3.5 | 11.6 | 2.6 | 7.5 | 14.8 | 17.2 | 1.6 | | 6. | | 24.8 | 100.0 |
| % | | | | | | | | | | | | | | | | | | X | |
| 48 . 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 0.14 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 . 33 | | | | | | | | | | | | | | | | | | X | |
| 22 . 27 | | | | | | | | | | | | | | | | | | X | |
| 17 . 21 | | | | | | | | | | | | | | | | | | X | |
| 11 . 16 | | | | | | | | | 7. | 6. | 9. | | 3. | | | | | X | 4.2 |
| 7 - 10 | | | | | | | | 7. | 1.1 | 2.1 | 1.7 | 2.0 | 6.0 | 9. | 7. | | | X | 20.0 |
| *; | | | f. | | 7. | P | 1.1 | 1.2 | 5.3 | 3.1 | 5.3 | | | 4, * | | | | X | 30.7 |
| 1.3 | .3 | 2. | 1. | 1. | 9 | 1.6 | 7.1 | 1.0 | 4.3 | 5.5 | 7.1 | 1.6 | 7.7 | 0. | *. | 2. | | X | 21.4 |
| SPEED (KNTS) DIR. | z | N.X. | ž | Z | - | ESE | 25 | 388 | • | SSW | AS. | WSW | * | WNW | XX | NNN | VARBL | CALM | |

()

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

3882

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS ALL

CONDITION

HOURS (1 C.T. 0 TOP

2002 2.0 1.4 WIND SPEED 2.6 1. 10.3 3.9 0.65 100.0 12 48 - 55 41 . 47 34 - 40 28 . 33 22 . 27 17 - 21 11 . 16 7 . 10 14.2 0. 0 3.5 3.6 0 0 7.1 36.8 0 ... SPEED (KNTS) DIR. WSW WWW CALM Z Z Z NN. VARBL SW ž SS SE * w •

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

SANTA ANA, CALIFORNIA

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

| | JUL | C | HOURS (L.S.) | |
|----------------------------|-----------------|--------------|--------------|-----------|
| (FROM HOURLY OBSERVATIONS) | 73-77 | ALL WEATHER | CLASS | CONDITION |
| (FRC | ANA, CALIFORNIA | STATION NAME | | |

| MEAN WIND SPEED | 3.0 | | 3.0 | 3.5 | 5.9 | 4.2 | 3,3 | 3.0 | 2.5 | | | | 1.3 | 0.2 | | | | | 1.2 |
|-------------------------|-----|----|-----|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-------|-----------|-------|
| * | 9. | | 1.9 | 1.3 | 2.5 | 4.5 | 2.0 | 3.6 | 1.1 | 5.8 | 9.5 | 1.3 | 9.2 | 9. | | | | 57.4 | 100.0 |
| % | | | | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41.0 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 22 | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | | | | | | | | | | | | | | | | \bigvee | |
| 7 . 10 | | | | | | | | | | | | | | | | | | \bigvee | |
| 91 | | | o. | 4. | 6.1 | | 5.6 | 1.3 | 1.3 | 2.0 | 0. | | | | | | | \bigvee | 12.9 |
| 1.3 | 9 | | 1.3 | 9. | 3.6 | 3.6 | 3.6 | 6.1 | 2.8 | 3.6 | 1.9 | 6.1 | 2.0 | g. | | | | \bigvee | 29.7 |
| SPEED (KNTS) DIR. | z | N. | N. | ENE | . | ESE | SE | SSE | \$ | SSW | SW | WSW | * | WWW | NA | NNW | VARBL | CALM | |

9980

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

SANTA

93114 STATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

0

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER SANTA ANA, CALIFORNIA

YEARS

07 HOURS (1.5.T.)

100 -

COMBITION

| MEAN WIND SPEED | 2.0 | 1.5 | 3.0 | 5.5 | 507 | 3.3 | 3.0 | 3.0 | 6.2 | 3.3 | 0.0 | 0.2 | 2.3 | 7.7 | 2.0 | 5.5 | | | 1,3 |
|-------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-------|
| * | 1.99 | 1.3 | 1.3 | 2.0 | 6.9 | 9.2 | 6.5 | 3.5 | 1.1 | 2.5 | 0. | 1.3 | 2.8 | 3.5 | 0. | 1.3 | | 21.0 | 100.0 |
| * | | | | | | | | | | | | | | | | | | X | |
| 48 . 55 | | | | | | | | | | | | | | | | | | X | |
| 41.47 | | | | | | | | | | | | | | | | | | X | |
| 38 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | X | |
| n · n | | | | | | | | | | | | | | | | | | X | |
| 17 - 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | | | | | | | | | | | | | | | | X | |
| 7 - 10 | | | | | | 0. | | | | | | | | | | | | X | 9. |
| • • • | | | 9. | 0. | 0. | | 2.0 | 1.3 | 6.1 | 6.1 | 0. | | 0. | | | | | X | 11.0 |
| 1.3 | 4.1 | 1.3 | 0. | 1.3 | 2.8 | 1.9 | 6.1 | 1.9 | 2.6 | 3.6 | | 1.3 | 2.6 | 3.6 | 9. | 1.3 | | X | 37.4 |
| SPEED (KNTS) DIR. | z | NNE | 34 | 2 | | ESE | 35 | 358 | s | SSW | XS. | WSW | * | WWW | ¥ | NNA | VARBL | CALM | |

348

TOTAL NUMBER OF OBSERVATIONS

=

10 HOURS (L.S.T.)

100

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

00

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

SANTA ANAS CALIFORNIA

93114

0

0

0

0

0

| (KONTS) DIR. | 1:3 | : | 7 . 10 | 11 . 16 | 12 . 21 | n · n | 28 - 33 | 34 . 8 | 41 . 47 | 8 . 8 | % Al | * | MEAN WIND SPEED |
|-----------------|-----------|-----------|--------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| N. | 9. | 9. | | | | | | | | | | 1.3 | 4.0 |
| ¥ | | | | | | | | | | | | | |
| Z | | 0. | | | | | | | | | | 9. | 0.4 |
| | 1.3 | 0. | | | | | | | | | | 5.1 | 3,3 |
| ESE | | | 9. | | | | | | | | | · · | 8.0 |
| * | 0. | | | | | | | | | | | 0 | 2.0 |
| 358 | 9. | 9. | | | | | | | | | | 1.03 | 3.5 |
| • | 1.3 | 4.5 | 1.3 | | | | | | | | | 1. | 4.5 |
| SSW | 1.3 | • | 1.3 | | | | | | | | | 3.6 | 2.6 |
| NS. | 1.3 | 4.3 | 5.0 | | | | | | | | | 8.4 | 5.4 |
| WEN | 3.9 | 13.5 | 3.9 | | | | | | | | | 6.12 | 2.0 |
| * | 5.8 | 10.8 | 9.7 | 0. | | | | | | | | 25.6 | 8.8 |
| WHW | 1.9 | 3.6 | 9. | | | | | | | | | 5.8 | 4.4 |
| ¥ | 1.3 | 3.6 | • | | | | | | | | | 2.6 | 4.3 |
| NNA | 9. | 6.4 | | | | | | | | | | 1.9 | 3.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | X | X | \bigvee | 14.8 | |
| | 20.6 | 50.3 | 1.3.5 | 0. | | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

STEE STEE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

YEARS 73-77 ALL WEATHER SANTA ANA, CALIFORNIA

COMBITION

13 nouns (LST.)

700

| SPEED (KNTS) DIR. | | • • | 7 . 10 | 11 . 16 | 17 - 21 | 22.20 | 28 · 33 | 34 - 40 | 41.0 | 48 . 55 | * | * | MEAN WIND SPEED |
|-------------------------|-----------|------|--------|-----------|-----------|-------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| N. | | 9. | | | | | | | | | | 0. | 2.0 |
| ¥ | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| 388 | | | | | | | | | | | | | |
| | | 1.3 | 2.0 | 9. | | | | | | | | 4.5 | 1.1 |
| SSW | 0. | 6.1 | 3.9 | | | | | | | | | 6.9 | 1.0 |
| AS. | | 1.3 | 4.6 | 1.3 | | | | | | | | 11.0 | 6.8 |
| WSW | | 1.6 | 2.62 | 9.7 | | | | | | | | 31.4 | 0.8 |
| * | 0. | 3.0 | 24.3 | 3.6 | | | | | | | | 37.04 | 9.1 |
| WNW | 9. | 9. | | 9. | | | | | | | | 1.9 | 1.0 |
| ¥ | | | 0. | | | | | | | | | 9. | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | X | X | \bigvee | \bigvee | X | \bigvee | \bigvee | \bigvee | X | \bigvee | 0. | |
| | 1.9 | 24.5 | 65.2 | 9.8 | | | | | | | | 10000 | 6.9 |
| | | 1 | | | | | | | | | | | |

WIND SPEED

*

12

48 - 55

. 47 7

34 . 40

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

X

z

ZZ

0

ESE 38

0

.

1101

155

TOTAL NUMBER OF OBSERVATIONS

11.0

53.5

32.3

9.

CALM

VARBL

7.8

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

SANTA ANA, CALIFORNIA

93114

0

0

0

0

YEARS

16 HOURS (L.S.T.)

JUL

13.5 0.67 35.8 100.0

3.2

3.0 1.1 15.5 51.9 9.7

3.9 3.5 14.9 3

0

WSW WSW

N S

MAN

*

SSW

*

6:1

1888

1.3

2007

8.2

3.6

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

19 HOURS CLET.

100

YEARS

ALL WEATHER

SANTA ANA, CALIFORNIA

93114 STATION

0

0

0

20

STATION NAME

CLASS

CONDITION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED 73-77 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

| SPEED (KNTS) DIR. | z | NNE | 32 | ENE | w | ESE | 35 | SSE | s | SSW | ×s | WSW | * | WNW | N.W. | MMM | VARBL | CALM | |
|-------------------------|---|-----|----|-----|---|-----|----|-----|------|------|------|------|-------|------|------|-----|-------|-------------|-------|
| 1:3 | | | | | | | | | 3.6 | 1.3 | 9. | 1. | 6.2 | | | | | X | 14.8 |
| • • • | | | | | | | | | 0.5 | 0.6 | 4.0 | 11.4 | 74.6 | 0. | | | | X | 56.1 |
| 7 . 10 | | | | | | | | | 3.5 | 2.5 | 5.0 | 1.0 | 0.0 | 0. | | | | \bigvee | 25.0 |
| 11 . 16 | | | | | | | | | | | | 0. | | | | | | X | 9. |
| 17 . 21 | | | | | | | | | | | | | | | | | | \setminus | |
| 22 . 27 | | | | | | | | | | | | | | | | | | \setminus | |
| 28 . 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 41 . 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 . 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 8 | | | | | | | | | | | | | | | | | | \setminus | |
| * | | | | | | | | | 12.9 | 15.5 | 11.4 | 27.1 | 73.67 | 1.53 | | | | 9.2 | 10000 |
| MEAN WIND SPEED | | | | | | | | | 3.1 | 5.9 | 9.4 | 4.6 | 3. | 6.5 | | | | | 5.3 |

0

0

0

I

=

155

TOTAL NUMBER OF OBSERVATIONS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

SANTA ANAS CALIFORNIA

93114 STATION

STATION NAME

YEARS

22 HOURS (L.S.T.)

100

COMBITION

| KNTS) | | ENE | | ESE | | 356 | | SSW | AS. | WSW | | mm | - | | ARBI | ALM | Ī |
|----------|--|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|---|-----|------|-----------|---|
| .: .: | | | 1.3 | 9. | 9. | 2.5 | 1.6 | 0.6 | 2.6 | 1.9 | 1.6 | 9. | | 9. | | \bigvee | |
| • • | | | 0. | 3.6 | 5:1 | 5.1 | 1.1 | 1.1 | 6.1 | 3.6 | 1.9 | 0. | | | | X | |
| 7 - 10 | | | | | | | | | 0. | | | | | | | \bigvee | |
| 11 . 16 | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | | | | | | | | \bigvee | |
| n · n | | | | | | | | | | | | | | | | X | |
| 28 · 33 | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | \bigvee | |
| 41.0 | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | X | |
| % % | | | | | | | | | | | | | | | | X | |
| * | | | 1.9 | 3.9 | 5.0 | 1.1 | 17.4 | 16.6 | 1.1 | 2.6 | 11.6 | 1.3 | | 9. | | 23.9 | |
| WIND | | | 3.0 | 0.4 | 3.8 | 5.6 | 3.1 | 3.3 | 3.2 | | | | | 3.0 | | | |

DIRNAVOCEANMET SMOS

099

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

.

..

3.2 2.8 7.2 7.3

2.3

6.

MEAN WIND SPEED

8

48 . 55

. 2

11

11 . 16

7 . 10

1.3

(KNTS)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

MEATHER

ALL

CLASS

ALL MONES ILST.

3

41 . 47 34.40 3 2 22.27

3.6

- 5 2 2 5

9.0

9.6

2.0

1.9

.

3.0 6.0 . . 7.

1. 0. 0 4

WSW

SK

SSW

-

*

* * VARBL

3.4

. 6.7

3.3.4

•

32

35

25

7.

. 2 7. .

Z

z

K

¥

0

. -

2.0 4:1

3.0

.

0.

5.7

3.9

10000

5.6

2002

29.0

23.3

CALA

6.47

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER

CONDITION

73-77

SANTA ANAS CALIFORNIA

93114 STATION

0

0

0

0

0

HOURS (L.S.T.)

AUG 0

| SPEED (KNTS) DIR. | 1.3 | • • | 7 . 10 | 11 . 16 | 17 - 21 | 22 . 27 | 28 - 33 | 34 - 40 | 41.4 | 48 - 55 | 8 | * | WIND SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|---------------|
| z | 0. | | | | | | | | | | | 9. | 2.0 |
| Z. | 9. | | | | | | | | | | | 9. | 3.0 |
| ¥ | 1.3 | | | | | | | | | | | 1.3 | 7 |
| ENE | 9. | | | | | | | | | | | 0. | 2.0 |
| | 2.0 | | | | | | | | | | | 9.2 | - |
| ESE | 3.6 | 1,3 | | | | | | | | | | 4.5 | 3.1 |
| SE | 1.3 | 9. | | | | | | | | | | 6.1 | 201 |
| SSE | 2.6 | 6.1 | | | | | | | | | | 4.5 | |
| 9 | 1: | | | | | | | | | | | 1.1 | 7 |
| SSW | 1.3 | 0. | | | | | | | | | | 1.9 | 201 |
| SW | 0 | 0. | | | | | | | | | | 1.3 | • |
| WSW | 1.9 | 1.3 | | | | | | | | | | 3.5 | 2 |
| * | 1.9 | 9. | | | | | | | | | | 9.2 | 2 |
| WWW | | | | | | | | | | | | | |
| WW | | | | | | | | | | | | | |
| NNW | | 9. | | | | | | | | | | 9. | 0.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | 6999 | |
| | 25.8 | 7.7 | | | | | | | | | | 100.0 | |

155

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

| SURFACE WINDS | : |
|---|---|
| PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | |
| NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC | |
| | |

| AUG | MONTH | *0 | HOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL MEATHER | CIVES | CORDITION |
| SANTA ANAS CALIFORNIA | STATION NAME | | | |

| | • | 7 - 10 | 91 . 11 | 17 - 21 | 22 - 27 | 28 - 33 | 34 . 40 | 41 - 47 | 48 - 55 | VI 35 | * | WIND SPEED |
|------|-----|-----------|-----------|-----------|---------|-----------|-----------|---------|---------|-----------|-------|---------------|
| 9. | - | | | | | | | | | | 9. | 2.0 |
| | | | | | | | | | | | | |
| 1.3 | 2 | | | | | | | | | | 1.3 | 1.5 |
| 1.3 | 1.3 | | | | | | | | | | 5.5 | 3.0 |
| 6.3 | 0. | | | | | | | | | | 7.1 | 707 |
| 4.5 | 0. | | | | | | | | | | 205 | 2.0 |
| 0. | 2 | | | | | | | | | | 9. | 2.0 |
| 4.5 | 1.3 | | | | | | | | | | 5.8 | 2.1 |
| | 9.5 | | | | | | | | | | 2.0 | 6.9 |
| 1.3 | 9. | | | | | | | | | | 1.9 | 3.3 |
| | 0. | | | | | | | | | | 0 | 0.4 |
| 1.3 | | | | | | | | | | | 1.3 | 5.5 |
| 0 | 9. | | | | | | | | | | 1.3 | 3.5 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 9. | 0. | | | | | | | | | | 6.1 | 0.4 |
| | | | | | | | | | | | | |
| X | X | \bigvee | \bigvee | \bigvee | X | \bigvee | \bigvee | X | X | \bigvee | 67.1 | |
| 23.2 | 9.0 | | | | | | | | | | 100.0 | 6. |

DIRNAVOCEANMET SMOS

station

Z

0

0

2 2

0

.

2.0

MEAN WIND SPEED

3.5 5.2 2.0

9.7

5.0

3.2 2.0

3.9

2.8

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114

)

STATION NAME

VEARS

ALL WEATHER

COMDITION

HOURS (1.5.T.) AUG 07 MONTH

6.9 0 5.8 5.8 4.5 205 5.8 : 3.6 3.9 . 9 * 12 48 - 55 41 . 47 34 - 40 3 8 22 . 27 17 . 21 11 . 16 0 7 - 10 2.0 0 0 1.3 1.9 . 3 1.9 1.3 0 4.6 1.3 3.6 2.5 3.6 0 6.1 00 1.3

TOTAL NUMBER OF OBSERVATIONS

155

1.5

100.0

0

12.3

39.4

WWW N N VARBL CALM

WSW

*

SSW

•

*S

2 2 2

0

47.7

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

-

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ē

10 HOURS (LST.)

AUG

YEARS

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 SANTA ANA, CALIFORNIA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

| 1 | |
|-----|--|
| 1 | |
| ł | |
| 1 | |
| | |
| 1 | |
| 1 | |
| | |
| | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| | |
| | |
| | |
| 1 | |
| | |
| | |
| | |
| | |
| | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 . | |
| 10 | |
| - | |
| - | |
| 0 | |
| = | |
| 12 | |
| 18 | |
| - | |
| 1 | |
| | |
| 1 | |
| 1 | |
| | |
| 1 | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| | 7 - 10 | 91 - 11 | 17 . 21 | 22 - 22 | 28 - 33 | 34 - 40 | 41 . 47 | 48 . 55 | % AI | * | MEAN WIND SPEED |
|------|--------|---------|-----------|-----------|-----------|-----------|---------|---------|-----------|-------|-----------------------|
| 0 | | | | | | | | | | 1.93 | 3.5 |
| | | | | | | | | | | | |
| | | | | | | | | | | 0. | 2.0 |
| | | | | | | | | | | | |
| | | | | | | | | | | 9. | |
| | | | | | | | | | | 6.1 | 2.0 |
| 0. | | | | | | | | | | 1.3 | 3.5 |
| 1.3 | 9. | | | | | | | | | 6.3 | 3.7 |
| 1.3 | | | | | | | | | | 6.1 | - |
| 3.6 | 1.3 | | | | | | | | | 6.0 | |
| 1.3 | 1.3 | | | | | | | | | 4.5 | 4.5 |
| 0.1 | | | | | | | | | | 3./1 | 3.9 |
| 17.4 | 4.5 | | | | | | | | | 1.67 | 9.0 |
| 3.6 | | | | | | | | | | 5.8 | 4.3 |
| 6.1 | | | | | | | | | | 5.6 | 2.6 |
| | | | | | | | | | | 1.3 | 2.0 |
| | | | | | | | | | | | |
| M | X | X | \bigvee | \bigvee | \bigvee | \bigvee | X | X | \bigvee | 16.8 | |
| 43.9 | 7.1 | | | | | | | | | 100.0 | 3.4 |

DIRNAVOCEANMET SMOS

93114 FRATION

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

| AUG | THOR | 13 | 17) \$8008 | 1 |
|-----------------------|--------------|-------------|------------|-----------|
| 73-77 | YEARS | ALL WEATHER | CLASS | COMBITION |
| SANTA ANA, CALIFORNIA | STATION NAME | | | |

| Z OIR | - | : | 7 . 10 | 11 . 16 | 17 - 21 | 22 . 22 | 28 - 33 | 34 . 40 | 41 . 43 | 48 . 55 | % A1 | * | |
|-------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----|
| N | | | | | | | | | | | | | |
| Z. | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| 38 | | | 9. | | | | | | | | | | 9. |
| SSE | | | | | | | | | | | | | |
| • | | 9. | 9. | | | | | | | | | 1 | 6.1 |
| SSW | | 0. | 3.6 | 2.6 | | | | | | | | 9 | 6.0 |
| NS. | ç. | 2.6 | 2.6 | 1.03 | | | | | | | | 12.3 | |
| WSW | 9. | 1001 | 19.4 | 4.5 | | | | | | | | 40.0 | 0 |
| * | | 1.1 | 24.5 | 7.0 | | | | | | | | 34.6 | 00 |
| WWW | | 9. | 9.7 | | | | | | | | | 3 | 7. |
| ¥ | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | \bigvee | X | \bigvee | | 9 |
| | 1.3 | 31.0 | 56.1 | 11.0 | | | | | | | | 100.0 | C |

001

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

YEARS

ALL WEATHER

16

AUG

CONDITION

SPEED (KNTS) DIR.

z z z z

| MEAN WIND SPEED | | | | 1.0 | 1.1 | | 1.5 | 7.5 | 7.5 | | | 7.3 |
|-----------------------|---|---|----|-----|-----|------|-----|------|------|----|-----------|-------|
| * | | | | 9. | 1.9 | 6.5 | 7.1 | 40.3 | 35.5 | | 1.9 | 100.0 |
| % Al | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | X | |
| 41.0 | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | \bigvee | |
| 22 . 27 | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | | | | | | | | | \bigvee | |
| 11 - 16 | | | | | | | | 0.7 | 1.3 | | X | 5.8 |
| 7 - 10 | | | | 9. | 1.9 | 1.99 | 3.9 | 24.5 | 25.2 | | X | 58.1 |
| 4.6 | | | | | | 3.5 | 9.7 | 18. | 4.6 | | X | 32.9 |
| 1.3 | | | | | | | | ç. | 9. | | \bigvee | 1.3 |
| | T | 1 | ++ | ++ | | | - | - | 1 | ++ | | |

S

SSW

8

SSE SSE

w

WNW

*

XXX VARBL CALM

ž

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0110

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CONDITION ALL SANTA ANAS CALIFORNIA

HOURS (L.S.T.)

AUG 13

| | 1.3 | 4.4 | 7 . 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 . 40 | 41.47 | 48 - 55 | % AI | × | WEAN WIND SPEED |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| - | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | |
| = | | 9. | | | | | | | | | | 0. | 2.0 |
| + | | | 0. | | | | | | | | | 0. | 8.0 |
| + | 0. | | 0. | | | | | | | | | 1.5 | 5.5 |
| = | 6.1 | 11.6 | 1.3 | | | | | | | | | 14.0 | 4.5 |
| - | 1.9 | 11.0 | 1.9 | | | | | | | | | 14.8 | 4.7 |
| - | 1.9 | | | | | | | | | | | 0.6 | 6.4 |
| + | 0.6 | | | 9. | | | | | | | | 29.7 | 6.4 |
| - | 3.9 | L | | | | | | | | | | 23.2 | 5.2 |
| - | | 1.9 | 0. | | | | | | | | | 2.6 | 5.3 |
| - | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | |
| | \bigvee | 3.5 | |
| - | 19.4 | 4.65 | 17.4 | 9. | | | | | | | | 10000 | 4.7 |

DIRNAVOCEANMET SMOS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| AUG | MOMTH | 22 | HOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 72-17 | YEARS | ALL YEATIER | CLASS | COMBITION |
| SANTA ANA, CALIFORNIA | STATION NAME | | | |

| SPEED (KNTS) | :: | 9.1 | 7 . 10 | 11 . 16 | 17.21 | 2.2 | 28 . 33 | 34 . 46 | 41.4 | 48 - 55 | 8 | * | MEAN |
|-----------------|------|------|--------|---------|-----------|-----|-----------|-----------|-------------|---------|-------------|------|-------|
| 2 | | | | | | | | | | | | | SPEEC |
| 2 | | | | | | | | | | | | | |
| ZZ | | | | | | | | | | | | | |
| ¥ | 1.3 | | | | | | | | | | | 1.9 | 2.0 |
| BNE. | | | | | | | | | | | | | |
| | 0. | 0. | | | | | | | | | | 1.3 | 3. |
| ESE | 2.0 | 1.3 | | | | | | | | | | 3.9 | 3.0 |
| * | 0 | 1.9 | | | | | | | | | | 2.0 | 3,3 |
| 358 | 3.3 | | 0. | | | | | | | | | 6.9 | |
| | 15.5 | | 9. | | | | | | | | | 18.7 | 2. |
| SSW | 2.0 | 9.2 | | | | | | | | | | 9.4 | 3.0 |
| 3W | 1.9 | | | | | | | | | | | 1.0 | 2. |
| WSW | 3.4 | 9.5 | | | | | | | | | | 6.5 | 3. |
| * | 2.2 | | | | | | | | | | | 12.3 | 3. |
| WWW | 1.3 | • | | | | | | | | | | 1.9 | 3. |
| M | •• | | | | | | | | | | | g. | 2 |
| MNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | \bigvee | X | \bigvee | \bigvee | \setminus | X | \setminus | 33.5 | |
| | 43.9 | 21.2 | 1.3 | | | | | | | | | 000. | • |

I

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

(FROM HOURLY OBSERVATIONS)

ALL AUG TEABS 73-77 ALL KEATHER SANTA ANA, CALIFORNIA

COMBITION

| 1,000 | | 7 - 10 | 11 - 16 | 17 . 21 | $a \cdot a$ | 28 - 33 | 24.8 | 41.0 | 8 . 35 | % | * | WIND SPEED |
|---------|------|--------|---------|---------|-------------|-----------|------|-----------|--------|-----------|-------|---------------|
| 7006 | : | | | | | | | | | | 5. | 5.6 |
| | | | | | | | | | | | 7. | 2.3 |
| 0.5 | | | | | | | | | | | 1.6 | |
| 1.7 | 7. | | | | | | | | | | 7.1 | 5.5 |
| | 7. | | | | | | | | | | 7.7 | |
| 6.1 | 9. | | | | | | | | | | 9.2 | 2.8 |
| | 9. | . 3 | | | | | | | | | 1.1 | 0.4 |
| 5.3 | 0.1 | 7. | | | | | | | | | 3.3 | 3.2 |
| 3.3 | 6.3 | 9. | | | | | | | | | 6.0 | 3.4 |
| 6.1 | 1.7 | 1:0 | | | | | | | | | 7.0 | 2.5 |
| 1.0 | 7.0 | 1.5 | 7. | | | | | | | | 4.1 | 5.9 |
| D.E WWW | 0.8 | 7.0 | 0.1 | | | | | | | | 18.1 | |
| 2.0 | 6. | 1.3 | | | | | | | | | 17.9 | |
| WWW .3 | 0.1 | | | | | | | | | | 1.0 | |
| 0. | 7. | | | | | | | | | | 6. | 5.5 |
| NWW C | 7. | | | | | | | | | | • • | 3.8 |
| VARH | | | | | | | | | | | | |
| CALM | X | X | X | X | \setminus | \bigvee | X | \bigvee | X | \bigvee | 56.8 | |
| 23.3 | 27.2 | 17.0 | 2.2 | | | | | | | | 100.0 | 3.5 |

DIRNAVOCEANMET SMOS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

SANTA ANA, CALIFORNIA

93114

YEARS

01 NOVER (1.5.T.)

SEP

COMBITION

| 0.2 | • • |
|-----|-----|
| | |
| | |
| | |
| | |
| | ľ |
| | |
| | 0.2 |
| | |
| | 6.1 |
| | 1.3 |
| | |
| | |
| | |
| | |
| | 1.3 |
| • | |
| • | |
| • | |
| | 8.7 |

150

TOTAL NUMBER OF OBSERVATIONS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

HOURS (LS.T.)

SEP *

CONDITION

| MEAN WIND SPEED | 1.2 | | 2.7 | 3.5 | 2.0 | 2.8 | 3.0 | 0.4 | 2.8 | 5,3 | | 2.0 | 3.0 | 3.3 | | 2.0 | | | 6. |
|-------------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-------|-----------|-------|
| * | 0.2 | | 2.0 | 1.03 | 0.2 | 0.9 | 7.7 | 4.1 | 0.9 | 6.2 | | 1. | 1.3 | 2.0 | | 1.3 | | 0.89 | 100.0 |
| 8 | | | | | | | | | | | | | | | | | | X | |
| 86 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41.4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 45 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 2.2 | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | | | | | | | | | | | | | | | | \bigvee | |
| 7 - 10 | | | | | | | | | | | | | | | | | | \bigvee | |
| • | 1. | | | 1. | | 1.3 | 1. | 2.0 | 7.0 | | | | 1. | 1. | | 1.3 | | \bigvee | 10.7 |
| | 1.3 | | 1.3 | | 0.2 | 4.1 | 7.0 | | 0.4 | 2.0 | | | | 1.3 | | | | X | 21.3 |
| SPEED (KNTS) DIR. | z | ZNZ | ¥ | E | - | ESE | 35 | 388 | • | SSW | SW | MSM | * | WAW | NA. | MMM | VARBL | CALM | |

0

8

Š

1

150

TOTAL NUMBER OF OBSERVATIONS

\$

3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

| (FROM HOURLY OBSERVATIONS) ANA, CALIFORNIA 73-77 SEP | STATION NAME YEARS | ALL MEATHER | COMBITION |
|---|--------------------|-------------|-----------|
| SANTA ANAS CAL | | | |

| MEAN WIND SPEED | 4.8 | 5.5 | 2.0 | 3.5 | 3.3 | 3.5 | 3.0 | 3.4 | 2.8 | 5.3 | 0.3 | 3.0 | 5.3 | 5.3 | 8.0 | 4.0 | | | 1.4 |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|-----------|-------|
| * | 107 | 1.3 | 1.3 | 1.7 | 5.3 | 7.7 | 3.3 | 3.3 | 8.0 | 0.2 | | 1.3 | 0.2 | 0.2 | 1.03 | • | | 59.3 | 100.0 |
| % | | | | | | | | | | | | | | | | | | X | |
| 48 - 35 | | | | | | | | | | | | | | | | | | X | |
| 41.4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 45 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| <i>u</i> · <i>u</i> | | | | | | | | | | | | | | | | | | X | |
| 17 - 21 | | | | | | | | | | | | | | | | | | X | |
| 11 . 16 | | | | | | | | | | | | | | | | | | X | |
| 7 - 10 | - | | | | | | | | | | | | | | 1. | | | X | 2.0 |
| • • • | - | | | 0.2 | 0.7 | 1.3 | 0.3 | 7.0 | 0.2 | | | | | | 1. | | | X | 14.0 |
| -3 | 1.3 | 1.3 | 1. | | 3.3 | 1.3 | 1.3 | 1.3 | 0.9 | 0.5 | | | 2.0 | 0.2 | | | | X | 24.7 |
| SPEED (KNTS) DIR. | z | N N | ¥ | ENE | | ESE | 35 | SSE | 8 | SSW | AS. | WSW | * | WWW | * | MMM | VARBL | CALM | |

0

93114

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

SANTA ANAS CALIFORNIA

93114

0

YEARS

CONDITION

ALL WEATHER

NOURS (L.S.T.)

SEP MONTH

SPEED (KNTS) DIR.

0

0

Z

2 2

0

| MEAN WIND SPEED | 0.9 | 2.0 | 11.0 | 2.0 | 2.0 | 3.7 | 2.8 | 3.6 | 4.0 | 2.4 | 4.3 | 3.5 | 2.8 | 2.0 | 5.8 | | 3.2 |
|-----------------------|-----|-----|------|-----|-----|-----|------|------|-----|-----|-------|------|-----|-----|-----|-----------|-------|
| * | 1.3 | | 1.3 | 1. | 1.3 | 0.4 | 7.07 | 10.0 | 5.3 | 4.7 | 15.3 | 21.3 | 0.8 | 1.3 | 3.3 | 18.7 | 100.0 |
| % | | | | | | | | | | | | | | | | X | |
| 8 . 35 | | | | | | | | | | | | | | | | X | |
| 41.47 | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 46 | | | | | | | | | | | | | | | | \bigvee | |
| 28 . 33 | | | | | | | | | | | | | | | | \bigvee | |
| 12 - 17 | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | | | | | | | | \bigvee | .7 |
| 11 . 16 | | | | | | | | | | | | | | | | \bigvee | |
| 7 - 10 | 1. | | | | | | | | 1. | 2.1 | 1.3 | 1.3 | | | 1.3 | X | 0.0 |
| • • | | | | | | 5.5 | 1. | 5.3 | 3.3 | 1. | 10.01 | 1.3 | 1.3 | | 1.3 | X | 33.3 |
| | 1 | - | - | - | 4 | - | 2 | - | 2 | - | 0 | - | - | 7 | - | 7 | 3 |

SSW WSW

*

22 22 23

0

WWW NA Y VARBL

*

CALM

000

150

TOTAL NUMBER OF OBSERVATIONS

-

13 HOURS (L.S.T.)

SEP MONTH

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 SANTA ANA, CALIFORNIA STATION NAME

ALL MEATHER

CONDITION

| MEAN WIND SPEED | | | | 18.0 | | | | 3.0 | 0.0 | 6.5 | 1.0 | 1.4 | 9.9 | 2.0 | | 0.9 | | | 7.0 |
|-------------------------|---|-------|----|------|---|-----|----|-----|-----|-----|------|------|------|-----|---|-----|-------|-----------|-------|
| * | | | | | | | | | 1.3 | 1.9 | 0.01 | 4401 | 36.7 | 1.3 | | | | 1.3 | 100.0 |
| > 2 | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 41 . 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 27 | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 . 21 | | | | 1. | | | | | | | | | | | | | | \bigvee | .7 |
| 11 - 16 | | | | | | | | | | • | 1.3 | 3.3 | 2.0 | | | | | \bigvee | 7.3 |
| 7 . 10 | | | | | | | | | | 0.7 | 3.3 | 25.3 | 14.7 | | | | | \bigvee | 46.0 |
| 4.6 | | | | | | | | | 1. | 3.3 | 5.3 | 15.3 | 14.0 | 1.3 | | 1. | | \bigvee | 40.7 |
| 1.3 | | | | | | | | • | | • | | 1. | 2.0 | | | | | \bigvee | 0.4 |
| SPEED (KNTS) DIR. | z | NNE N | Z. | E | w | ESE | SE | SSE | • | SSW | ¥S. | WSW | * | WNW | ¥ | NNN | VARBL | CALM | |

DIRNAVOCEANMET SMOS

=

150

TOTAL NUMBER OF OBSERVATIONS

0 40

93114 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114 STATION

0

0

STATION NAME

ALL WEATHER

YEARS

16

SEP

COMDITION

| SPEED (KNTS) DIR. | 1.3 | • | 7 - 10 | 11 . 16 | 17 . 21 | 2 - 22 | 28 · 33 | 34 · 40 | 41 - 47 | 48 - 55 | 95 AI | * | MEAN WIND SPEED |
|-------------------------|-----|------|--------|---------|---------|--------|-----------|-----------|-----------|-----------|--------------|-------|-----------------------|
| z | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE NE | | | | | | | | | | | | | |
| FE | | | | 1. | | | | | | | | • | 13.0 |
| • | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| 8 | | 1.3 | 2.0 | | | | | | | | | 1.5 | 1.1 |
| SSW | | 0.9 | 7.3 | 1.3 | | | | | | | | 1.4.1 | 8.0 |
| AS. | 2.0 | 1.0 | 1.0 | | | | | | | | | 13.3 | 700 |
| WSW | 1.3 | | | | | | | | | | | 30.1 | 6.0 |
| * | | 6.6 | 16.0 | 1.3 | | | | | | | | 41.03 | 6.1 |
| WWW | | | | | | | | | | | | | |
| WW | | | | | | | | | | | | | |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | • | |
| | 4.7 | 38.7 | 51.3 | 4.7 | | | | | | | | 100.0 | 7.1 |

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

YEARS

73-77

SANTA ANA, CALIFORNIA

93114 STATION HOURS (L.S.T.

19 MONTH

SEP

COMPITION

| 0.2 7. | 4.6 | | 7.10 | 11 . 16 | 17 . 21 | 22 - 27 | 28 - 33 | 34 . 45 | 41.0 | 46 · 55 | 8 | * | MEAN WIND SPEED |
|--|-------------------|----|------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|-------|-----------------------|
| 0.001 ((((((((. | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | • | 0.7 |
| 6.1 6.1 13.3 0.3 0.3 0.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1 | | | | | | | | | | | | | |
| 6.1 1.3.3 0.3 0.3 0.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1 | | | | | | | | | | | | | |
| 6.1 1.3.3 0.6 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | | | | | | | | | | | | • | 0.7 |
| 6.1 1.3.3 0.3 0.3 0.3 0.3 1.4.5 1.1.1 1.0.001 | | | | | | | | | | | | | |
| 6.51 1.3.3 0.3.2 0.3.2 0.3.3 1.3 | 4. | | | | | | | | | | | 1.3 | 0. |
| 6.61 0.52 0.52 0.60 | | | 1. | | | | | | | | | 1.3 | 6.5 |
| 0.001 (5.81) | 1.0 | | 1. | 1. | | | | | | | | 13.3 | 4.5 |
| 0.00.1 | 1.0 | 1 | 1.7 | | | | | | | | | 13.3 | 4.5 |
| 0.001 | 5.5 | | | | | | | | | | | 0.0 | 301 |
| 0.22 0.2 0.2 0.001 | 11.3 | 1 | 5.0 | | | | | | | | | 1007 | 509 |
| · · · · · · · · · · · · · · · · · · · | 12.0 | | 1.3 | | | | | | | | | 0.22 | 1.0 |
| 11.3 | | | | | | | | | | | | 0.2 | |
| 11.3 | /• | | | | | | | | | | | | 2.0 |
| 110.0 | | | | | | | | | | | | • | 3.0 |
| 100.0 | | | | | | | | | | | | | |
| 0.001 | $\langle \rangle$ | /\ | V | \bigvee | \bigvee | 11.3 | |
| | 44.7 | | 8.0 | | | | | | | | | 100.0 | 3.7 |

9889

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

E

8008

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SANTA ANAS CALIFORNIA

73-77 ALL WEATHER

YEARS

22

SEP -

COMBITION

| SPEED (KNTS) DIR. | : | • | 7 - 10 | 91 . 11 | 17 - 21 | 22 - 27 | 28 · 33 | 4 . 4 | 41 . 47 | 48 - 55 | % | * | WIND SPEED |
|-------------------------|-----------|------|--------|---------|---------|---------|---------|-------|-----------|---------|----------|-------|---------------|
| z | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| a z | | | | | | | | | | | | | |
| ENE | 1.3 | | | | | | | | | | | 1.3 | 5.5 |
| - | 2.0 | | | | | | | | | | | 2.1 | 3.5 |
| ESE | 1.3 | | | | | | | | | | | 0.2 | 3. |
| 35 | 1.3 | 1.7 | | | | | | | | | | 0.4 | |
| SSE | 1. | 1. | | | | | | | | | | 1.3 | 3. |
| • | 0.0 | 7.5 | | | | | | | | | | 10.0 | 3. |
| SSW | 3.3 | | | | | | | | | | | 3.3 | 707 |
| SW | 1.3 | /• | | | | | | | | | | 2.0 | 3. |
| WSW | 7.2 | 1.3 | | | | | | | | | | 0.4 | 3. |
| * | 4. | 7.0 | | | | | | | | | | 0.0 | 4. |
| WWW | 5.0 | 0.2 | | | | | | | | | | 0.4 | 3. |
| N | 1.3 | | | | | | | | | | | 0.5 | 3.3 |
| NNN | 1.3 | 1.3 | | | | | | | | | | 1.07 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | X | X | X | X | X | X | X | \bigvee | X | X | 54.1 | |
| | 29.3 | 16.0 | | | | | | | | | | 100.0 | 1.4 |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

WIND SPEED

28 . 33

22 . 27

17 . 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

0

7.

.

N

Z Z

.

-

-

:::::

Nan-tathe by by

2 2 2 2

.

-

2.5

5.1

3.0

1.9

-

. .

3.8

9.0

0.0

1001 1403 7.4 1.0

5.1

3.4 3.5 0.5

..

SURFACE WINDS

Ë

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93116 STATION

0

ALL MEATHER

YEARS

ALL HOURS ILS.T.

SEP -

COMBITION

8 48 . 55 41 . 47 34 - 40

TOTAL NUMBER OF OBSERVATIONS

1200

3.2

100.0

.

1.6

14.4

25.6

23.0

35.0

0

DIRNAVOCEANMET SMOS

000

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

MSM

35 AS

WHM

*

NNE

ž

VARBL CALM

30

7.5

777

4 4 0 0 0

3.6

0

1211

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

wa.

10 Nous (1.5.T.) 20 MONTH YEARS 73-77 ALL WEATHER CONDITION SANTA ANA, CALIFORNIA

| NNE 1.9 1.5 NNE 1.9 1.5 ENE 4.5 1.5 ESE 1.9 .0 SE 1.9 .0 SE 1.9 .0 SE 1.9 .0 SSW .0 WWW I.5 NNW .0 NAMEL | | | | 28 - 33 | 34 . 46 | 4 . 47 | 48 - 55 | 3 | × | SPEED |
|--|--|-------------------|---|---------|---------|--------|---------|-----------|-------|-------|
| 2 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | The second secon | | | | | | | | 9. | 1.0 |
| 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | - | | | | | | | 3.2 | 2.6 |
| 2.6 2.0 2.1 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 | | | | | | | | | 1.3 | 2.5 |
| 3. 2 1 1. 3 3. 4 | 0 | | | | | | | | 6.9 | 3.0 |
| 3. 4. 1. 3 3. 4. 1. 3 3. 4. 1. 3 3. 4. 1. 3 3. 4. 1. 3 | | - | | | | | | | 3.2 | 2.6 |
| 3.2 1.3 | 9 | | | | | | | | 3.5 | 0.4 |
| 3. 2. 1. 3 3. 4. 6. 1. 3 3. 6. 1. 3 | | | | | | | | | 3.6 | 3.8 |
| 2 | 2 | | | | | | | | 2.6 | 3.9 |
| 1. 5. | | | | | | | | | 4.5 | 2.1 |
| 1 6. | | | | | | | | | 0. | 2.0 |
| 1.55 | | | | | | | | | | |
| 1.3 | | | | | | | | | E • 1 | 0.9 |
| | 0. | | | | | | | | 1.3 | 0.6 |
| | | | | | | | | | 1.3 | 5.5 |
| | | | | | | | | | 9. | 2.0 |
| VARBL | | | | | | | | | 9. | 1.0 |
| | | | | | | | | | | |
| CAUM | | $\langle \rangle$ | X | X | X | X | X | \bigvee | 2.69 | |
| 24.5 9.7 1.9 | 9. | | | | | | | | 100.0 | 1.2 |

Ē

HOURS (L.S.T.)

0 MONTH

100

PERCENTAGE FREQUENCY OF WIND

YEARS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 ALL MEATHER SANTA ANAS CALIFORNIA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

| z Z Z Z | | • | 7 . 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41.47 | 48 . 55 | 38 | * | WIND |
|---------|------|------|--------|---------|---------|---------|-----------|-----------|-----------|---------|-----------|-------|------|
| ¥ = 7 . | 5.6 | 0. | | | | | | | | | | 3.6 | 8.2 |
| # # # w | 1.9 | | | | | | | | | | | 1.9 | 1.3 |
| w . | 6.5 | 1.9 | | | 9. | | | | | | | 0.6 | 3.6 |
| | 3.9 | 2.6 | | | | | | | | | | 0.6 | 3.4 |
| | 1.3 | 5.5 | | | | | | | | | | 3.6 | 3.4 |
| ESE | 3.6 | 5.1 | 0. | | | | | | | | | 5.8 | 3.6 |
| SE | 5.6 | 0. | | | | | | | | | | 3.2 | 7.7 |
| SSE | 9. | L.3 | | | | | | | | | | 1.9 | 3.7 |
| s | 5.6 | | | | | | | | | | | 9.2 | 2.3 |
| SSW | 9. | • | | | | | | | | | | 1.3 | 3.5 |
| SW | | 6.4 | | | | | | | | | | 1.3 | 5.5 |
| WSW | | | | | | | | | | | | | |
| * | •• | 0. | 9. | | | | | | | | | 1.9 | 2.0 |
| WWW | | | | | | | | | | | | | |
| ¥X | | | | | | | | | | | | | |
| ** | | 9. | 0. | | | | | | | | | 1.3 | 0.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | M | X | X | X | X | \bigvee | \bigvee | \bigvee | X | \bigvee | 2.45 | |
| | 26.5 | 16.8 | 1.9 | | 9. | | | | | | | 100.0 | 1.6 |

\$

1

T

1 =

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

The second

93114 STATION

SURFACE WINDS JAN 78

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

0

0

0

0

0

0

0

0

0

YEARS 73-77 ALL WEATHER SANTA ANA CALIFORNIA

HOURS (L.S.T.)

DCT MONTH

| MEAN WIND SPEED | 2.8 | 7.7 | 2.8 | 5.5 | 3.8 | 4.4 | 5.2 | 4.3 | 2.0 | 0.4 | | | 4.5 | 3.3 | | 0.4 | | | 1.7 |
|-------------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-------|-----------|-------|
| × | 3.2 | 5.8 | 2.5 | 1.01 | 1.0 | 6.9 | 3.9 | 5.0 | 0. | 1.3 | | | 1.3 | 1.9 | | 9. | | 51.6 | 100.0 |
| VI 85 | | | | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 41 - 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 27 | | | | | | | | | | | | | | | | | | \bigvee | |
| 17 - 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | | | 9. | | | | | | | | | | | | | \bigvee | 9. |
| 7 - 10 | | | | | | 1.3 | 200 | | | | | | 9. | | | | | \bigvee | 3.2 |
| • • | 1.3 | | 1.3 | 5.0 | 1.9 | 6.1 | 1.3 | 1.9 | 0. | 6.1 | | | | 6.4 | | 9. | | \bigvee | 16.1 |
| 1.3 | 1.9 | 5.8 | 3.9 | 2.5 | 2.5 | 3.6 | 1.3 | 9. | | | | | 9. | 9. | | | | \bigvee | 28.4 |
| SPEED (KNTS) DIR. | z | Z | ž | E | | ESE | 38 | 358 | 80 | SSW | SW | WSW | * | WNW | WW | NNN | VARBL | CALM | |

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

-

155

TOTAL NUMBER OF OBSERVATIONS

Ē

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(N)

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

0

0

| 100 | MONTH | 10 | HOURS (L.S.T.) | |
|-----------------------|--------------|-------------|----------------|-----------|
| 73-77 | YEARS | ALL WEATHER | CLASS | CONDITION |
| SANTA ANAS CALIFORNIA | STATION NAME | | | |

| MEAN WIND SPEED | 6.9 | 0.2 | 1.5 | 13.0 | 2.8 | 0.8 | 0.1 | 5.5 | 3.8 | 3.8 | 3.5 | 200 | 3.4 | 3.5 | 2.8 | 3.3 | | | 3.3 |
|-------------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-------|-----------|-------|
| * | 9.2 | 9. | 1.3 | 3.9 | 206 | 9. | 5.6 | 1.3 | 0.6 | 2.8 | 3.9 | 6.21 | 16.8 | 8.4 | 9.7 | 5.6 | | 21.9 | 100.0 |
| % Al | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 41 - 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 27 | | | | 9. | | | | | | | | | | | | | | \bigvee | 9. |
| 17 . 21 | | | | | | | | | | | | | | | | | | X | |
| 11 . 16 | | | 9. | 6.1 | | | 0. | | | | | | | | | | | X | 3.2 |
| 7 . 10 | | | | 9. | | 0. | 0. | | | | | | | | | | | X | 2.6 |
| 4:4 | 6.3 | | | | 4.3 | | 1.3 | | 3.6 | 3.6 | 7.1 | | 1.1 | 3.9 | 9. | 0. | | X | 32.3 |
| : | | 9. | 0. | 0. | 1.9 | | | 1.3 | 2.6 | 5.5 | 1.9 | 5.3 | 0.6 | 4.5 | 1.9 | 1.9 | | X | 39.4 |
| SPEED (KNTS) DIR. | z | W Z | w | ENE | | ESE | 35 | SSE | 5 | SSW | *S | WSW | * | WWW | ž | MNN | VARBL | CALM | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

SANTA ANAS CALIFORNIA

93114

0

0

0

0

(3)

0

0

0

0

0

0

0

0

73-77 ALL WEATHER

YEARS

13 HOURS (L.S.T.)

50

COMDITION

| SPEED (KNTS) DIR. | z | NN | ¥ | ENE | ESE | 35 | SSE | • | ASS | NS. | WSW | * | WWW | N. | MNW | VARBL | CALM | |
|-------------------------|------|-----|------|-----|-----|----|-----|-----|-----|-----|-------|------|-----|-----|-----|-------|-----------|-------|
| :: | | | | | | | | | | • | 1.3 | 0. | | 9. | | | X | 3.2 |
| *: | | 9. | | 0. | | | | 1.3 | 2.6 | 3.9 | 14.9 | 11.6 | 4.1 | | 1.3 | | \bigvee | 36.8 |
| 7 . 10 | | 9. | | | | | | 5.6 | 5.6 | 4.5 | 22.0 | 100 | 1.3 | | | | X | 6.0.3 |
| . I. | | | | | | | | 9. | | | 0. | 9.7 | | ç. | | | X | 4.5 |
| 17 - 21 | 0 | | | | | | | | | | | 9. | | | | | \bigvee | |
| 22 . 27 | | | | | | | | | | | | | | | | | \bigvee | |
| 28 . 33 | | | 9. | | | | | | | | | | | | | | \bigvee | 4 |
| 34 . 40 | | | | | | | | | | | | | | | | | \bigvee | |
| 0.10 | | | | | | | | | | | | | | | | | \bigvee | |
| 4 - 55 | | | | | | | | | | | | | | | | | X | |
| % | | | | | | | | | | | | | | | | | X | |
| * | 0. | 1.3 | 0. | 9. | | | | 4.5 | 2.5 | 0.6 | 37.04 | 33.5 | 306 | 1.3 | 1.3 | | 1.3 | 100.0 |
| MEAN WIND SPEED | 20.0 | 7.5 | 32.0 | 0.0 | | | | 1.4 | 9.9 | 9.0 | 7.7 | 1.0 | 2.0 | 1.5 | 5.0 | | | 7.6 |

MEAN WIND SPEED

×

10.0

===

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

SANTA ANAS CALIFORNIA

STATION MAME

FRATHER

ALL

16

130 MONTH

COMBITION

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

N

z

0

3 3

0

...

41 . 47

48 - 55

18

3.5 1 G.

0.00 10.3

30.3 6.1

1.0 6.9 9.3 6.1 10000

TOTAL NUMBER OF OBSERVATIONS

0

5.5

7.64

43.4

2.5

.

0

6:1

13.2 1.8.

> 14.5 •

50.02

0.7

WSW

MMM

*

ž

VARBL Ž

37

1.3 6.1

4.0 3.6

2.6

1.3 .

> SSW 3

*

9. 0.

25 32 SSE

.

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER SANTA ANAS CALIFORNIA

19

100 MONTH

| | SPEED (KNTS) DIR. | - · · · · | • | 7 . 10 | 11 . 16 | 17 - 21 | 22 - 27 | 28 . 33 | 34 - 46 | 41.4 | 48 - 55 | 8 | * | WEAN WIND SPEED |
|---|-------------------------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | - | 0. | | | | | | | | | | | 9. | 2.0 |
| 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | w X | | | | | | | | | | | | | |
| 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | _ | | | | 9. | | | | | | | | 9. | 15.0 |
| 1.3 1.3 10.3 5.2 7.7 3.2 7.7 3.2 1.3 12.3 .0 1.3 12.3 .0 30.6 31.6 2.0 | ¥ | 1.3 | | | | | | | | | | | 1.3 | 2.5 |
| 1.3 1.3 10.3 5.2 10.3 5.2 7.7 3.2 7.7 5.2 1.3 12.3 0.0 1.3 1.3 1.3 2.0 | _ | | | | | | | | | | | | | |
| 10.3 5.2 4.5 7.7 4.5 12.3 1.3 12.3 .0 1.3 12.3 .0 | * | 1.3 | | | | | | | | | | | 2.6 | 2.5 |
| 10.3 5.6 4.5 7.7 4.5 1.9 1.3 12.3 .0 1.3 1.0 2.0 | _ | 9. | | | | | | | | | | | 9. | 1.0 |
| 10.3 5.6 1.7 7.7 7.7 7.7 7.7 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | | 1.3 | | | | | | | | | | | 1.9 | 3.0 |
| 3.6. 31.6. 2.0 | | 10.3 | 3.6 | | | | | | | | | | 15.5 | 3.0 |
| 1.3 12.3 .0 1.3 12.3 .0 1.3 1.5 .0 | * | 1.1 | 2.6 | | | | | | | | | | 11.0 | 3.5 |
| 36.8 31.6 2.6 | * | 4.5 | | | | | | | | | | | 6.0 | 5.9 |
| 36.8 31.6 2.6 | * | 1.1 | | | | | | | | | | | 13.5 | 3.4 |
| 36.6 31.6 2.0 | | 1.3 | | | 0. | | | | | | | | 14.8 | 5.1 |
| 36.6 31.6 2.0 | > | | 5. | 1.0 | | | | | | | | | 6.1 | 7.0 |
| 36.6 31.6 2.0 | * | | 1.3 | | | | | | | | | | 1.3 | 0.0 |
| 36.6 31.6 2.6 | 2 | | | | | | | | | | | | | |
| 36.6 31.6 2.0 | 1 | | | | | | | | | | | | | |
| 31.6 2.6 | * | \bigvee | \bigvee | \bigvee | X | \bigvee | 27.7 | |
| | | 36.8 | 31.6 | 2.0 | 1.3 | | | | | | | | 10000 | 2.7 |

999

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

93114 arana

SURFACE WINDS JAN 78

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114

0

YEARS

ALL WEATHER

22 HOURS (1.5.T.)

130 MONTH

COMBITION

| WIND SPEED | - | 2 | • | 4. | .7 | 3. | 30 | . 2 | 5. | ; | 7 | . 7 | | 1. | 1. | 3. | | | - |
|-------------------------|---|-----|-----|------|-----|------|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-------|-------------|-------|
| * | * | 0.7 | 1.9 | 1.3 | 0.6 | 3.9 | 4.3 | 6.5 | 3.9 | 1.3 | 1.05 | 1.3 | 3.9 | 1.3 | 6. | 0. | | 1.86 | 100.0 |
| % AI | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 . 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 8 · 4 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| n · n | | | | | | | | | | | | | | | | | | \setminus | |
| 17 - 21 | | | | | | | | | | | | | | | | | | X | |
| 11 - 16 | | | 9. | | | | | | | | | | 0. | | | | | X | 1.3 |
| 7 - 10 | | | | | | | 9. | | | | | | | 0. | | | | X | 1.3 |
| 91 | | 9. | | | 9.7 | 6.1 | 0. | 0. | - | - | | | 1.3 | 9. | | | | X | 11.0 |
| 1.3 | | 1.9 | 1.3 | 6.1 | 6.0 | 6.1 | 3.6 | 3.9 | 5.0 | | 1.3 | 1.3 | 6.1 | | 9. | 9. | | X | 28.4 |
| SPEED (KNTS) DIR. | z | N. | u Z | EN S | - | . 38 | 35 | 355 | | WSS | 3 | 700 | , | *** | 3 | NNA | VARBL | CALM | |

0

=

155

TOTAL NUMBER OF OBSERVATIONS

3.9

2.0

3.3

:

-

7. 7. -:

~ ~

. 7.1 00

2.1

. 4

*

1.4

2.3 2.3

5.5

6.4 3.1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

SANTA ANA, CALIFORNIA

YEARS

WEATHER CLASS ALL

COMBITION

2.4 2.0 MEAN WIND SPEED 3.8 1.9

12

48 . 55

41 - 47

34 . 40

28 . 33

22 . 27

17 . 21

11 . 16

7 - 10

4.6

..

•

5.6 4.9 4.5 0.4 5.5

•

7 1 8

2.5 7.5

1.7

WSW

SSW

3K

7.

:

- 0 -

1.7 6.1 9 . . 2.3 5.6 1.1

SSE

•

3

ESE

.

-

-

:

:

5.

VARBL

CALA

WWW

Ž

*

8000

2.0 .. 2.0 3.1 13.3 3.0

3.9 æ 0 35.0

3.3

100.0

-

-

.

2.1

13.0

24.8

24.0

1240

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

)

0

0

0

MONTH

50

ALL HOURS (L.S.T.)

SURFACE WINDS

i

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

40 100

YEARS 73-77 ALL WEATHER

SANTA ANAS CALTFORNIA

93114 STATION

0

0

0

10

NO. -

=

0

150

TOTAL NUMBER OF OBSERVATIONS

150

TOTAL NUMBER OF OBSERVATIONS

890

SURFACE WINDS

. 3410

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

04 HOURS (1.5.T.)

NO. MOMTH

73-77 ALL WEATHER

YEARS

COMBITION

| MEAN WIND SPEED | 9 5.0 | 3 1.6 | | | | 9.6 | | 0.2 0 | | - | | | 10.0 | | | | | 9 | |
|-------------------------|-------|-------|-----|-----|------|-----|-----|-------|-----|-----|-----|-----|------|-----|------|-----|------|-----------|--|
| * | 1.3 | 3. | 0.0 | 10 | 10.0 | 0.9 | 0.4 | • 7 | 2.1 | • | | | • | | | | | 53.3 | |
| VI 8 | | | | | | | | | | | | | | | | | | \bigvee | |
| 48 . 55 | | | | | | | | | | | | | | | | | | \bigvee | |
| 9.14 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 - 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | \bigvee | |
| 22 - 27 | | | | | | | | | 6 | | | | | | | | | \bigvee | |
| 17.21 | | | | 1. | | | | | | | | | | | | | | \bigvee | |
| 2. 2 | | | | | | | | | | | | | | | | | | \bigvee | |
| 7 - 10 | | | | | 1.3 | 1. | | | | | | | 1. | | | | | \bigvee | |
| 7.7 | | | 1. | 2.1 | 9.3 | 2.7 | 1. | | 1. | | | | | | | | | \bigvee | |
| | 1.3 | 3,3 | 5.3 | 6.7 | 5.5 | 1.3 | 1.3 | 2.0 | 5.0 | 1. | | | | | | | | X | |
| SPEED (KNTS) DIR. | z | Z Z | ¥ | E E | | ESE | 35 | SSE | s | SSW | AS. | WSW | * | WWW | N.W. | NNW | ARBL | CALM | |

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114

SANTA ANAS CALIFORNIA

6.5

601

4.1

MEAN WIND SPEED

28 . 33

22 . 27

17 - 21

11 - 16

7 - 10

9.4

SPEED (KNTS) DIR.

2.3

000

5.0 0.1

•

.

2.0

1.

55.3

3.3

3.3 0.4

3.3 2.0

2.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

H

73-77

YEARS

ALL MEATHER

07 HOURS (1.8.T.)

ACN. MONTH

CONDITION

12 48 - 55 41 . 47 34 - 40

.

1.3

96.0

Z Z

W.X

z

1.7

6.1

6.2

35 35

ESE

•

6.1

F.)

*

.

TOTAL NUMBER OF OBSERVATIONS

150

1.5

10000

DIRNAVOCEANMET SMOS

0

0

WSW

S¥

SSW

WNW

*

•

VARBL CALM

NX.

ž

12.7

30.7

3

93114 STATION

SANTA ANAS CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

22

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

The same of the same of the same of

73-77

SANTA ANAS CALIFORNIA

93114 STATION

0

STATION NAME

YEARS

HOURS (L.S.T.) 10

NO.

MEATHER

ALL

COMBITION

12.4 3.6 3.5 0.0 8 . 2 3.2 3.8 5.5 0.2 3.5 5.0 7:2 6.1 WEAN WIND SPEED 22.23 2.0 100.0 1.02 2.1 48.7 2 48 . 55 41 . 47 34 . 46 28 . 33 22 . 27 17 - 21 2.7 1.3 . . 11 . 16 1.3 2.0 2.0 10.7 7 . 10 3.3 1.3 22.7 . 1.0 4.6 34.7 6.11 . 6.1 2.0 3.3 . 1.7 1.3 1.3 : KNTS) NSW WSW WWW N. VARBL CALM SSW Z Z E. 22 22 388 ž * Z •

0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

YEARS

ALL WEATHER

COMBITION

13 HOURS (LS.T.)

NO.

| 1 | |
|-----|--|
| 1 | |
| - 1 | |
| - | |
| | |
| 1 | |
| 1 | |
| 1 | |
| | |
| 1 | |
| | |
| 1 | |
| 1 | |
| | |
| 1 | |
| | |
| | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| - | |
| 1 | |
| 1 | |
| 1 | |
| | |
| 1 | |
| | |
| 1 | |
| | |
| 1 | |
| 1 | |
| 1 | |
| 1 | |
| | |
| 1 | |
| 1 | |
| | |
| | |

| 6.7 6.7 6.7 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 | : | • • • | 7 - 10 | 11 . 16 | 17 . 21 | 12 . 11 | 28 . 33 | 34 . 45 | 41.0 | 48 - 55 | % | * | MEAN WIND SPEED |
|---|----|-------|--------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 | 1 | | | | | | | | | | | | |
| 1 5.6 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7 | | | | | | | | | | | | | |
| 6.0 001 | | | | | | | | | | | | • | 0.41 |
| 0.7 0.7 0.7 0.7 0.7 1.8 1.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 | | | | 2.0 | | | | | | | | 3.3 | 13.0 |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 1 | | | | | | | | | | | • | 0.0 |
| 1.5 2.0 1.3 2.1 1.3 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | | | | | | | | | | | | | |
| 1.3 2.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | | | | | | | | | | | | | |
| 1.3 2.7 1.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | | | 1.3 | | | | | | | | | 2.1 | 0.5 |
| 1.3 2.0 1.3 2.0 2.2 21.3 2.1 2.2 21.3 2.2 21.3 2.2 2.1 2.2 2.1 2.2 2.2 2.2 2.2 2.2 2.2 | | 1. | 1. | | | | | | | | | 0.2 | 8.0 |
| 10.0 6.7 1.3 1.3 1.3 32.7 9.3 32.7 9.3 3.7 7.3 1.00.0 | | 1.3 | 0.2 | | | | | | | | | 0.4 | 7.8 |
| 10.0 6.7 1.3 1.3 1.3 2.7 5.9 2.01 2.00 0.00 0 | | 0.3 | 1.3 | | | | | | | | | 0.4 | 9.1 |
| 1.3 1.3 1.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | | 10.01 | 1.0 | 1.3 | | | | | | | | 6172 | 2.9 |
| 6.7 6.7 6.7 6.7 7. 6.9 7. 6.9 7. 6.9 | - | 18.7 | 3.0 | 1.3 | | | | | | | | 1.96 | 0.0 |
| 0.5 0.5 7. 6.9 1.0.0 1.00.0 | | 5.5 | 1.3 | 1.3 | | | | | | | | 6.6 | 0.9 |
| 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7 | 1 | 7.0 | | | | | | | | | | 0.2 | 2.0 |
| 7.3 | - | 0.2 | | 1. | | | | | | | | 0.4 | 6.5 |
| 0.001 | | | | | | | | | | | | | |
| 43.3 32.7 9.9 .7 | 1 | X | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 7.3 | |
| | .7 | 43.3 | 32.7 | 6.6 | .7 | | | | | | | 10000 | 9.9 |

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1224

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

16

NON

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

SANTA ANAS CALIFORNIA

93114

73-77 MEATHER ALL

YEARS

COMBITION

| SPEED (KNTS) DIR. | | • • | 7 - 10 | 11 . 16 | 17 . 21 | 22 - 27 | 28 . 33 | 34 . 16 | 41.0 | 8 . 8 | 8 | * | WIND SPEED |
|-------------------------|------|------|--------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-------|---------------|
| z | 1. | 1. | | | | | | | | | | 1.3 | 3.5 |
| NN | | | | | | | | | | | | | |
| ¥ | | .7 | | | | | | | | | | | 5.0 |
| ENE | | | 1.3 | | | | | | | | | 0.5 | - |
| | | | | 1. | | | | | | | | • | 12. |
| 353 | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| 358 | | | 1. | | | | | | | | | | |
| • | 1. | 7.0 | 5.0 | 1. | | | | | | | | 5.3 | 1. |
| SSW | 5.0 | 5.3 | 5.0 | | | | | | | | | 6.9 | |
| AS. | 1.3 | 5.6 | 1.3 | | | | | | | | | 0.0 | 2.5 |
| WSW | 2.0 | 15.3 | 13.3 | | | | | | | | | 51.3 | |
| * | 0.9 | 17.3 | 12.0 | 2.0 | | | | | | | | 37.3 | 0.0 |
| WWW | | | 2.7 | | | | | | | | | 2.1 | 8. |
| M | | | 1. | | | | | | | | | | 8.0 |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 2.0 | |
| | 12,7 | 44.7 | 36.0 | 4.7 | | | | | | | | 100.0 | 6.2 |

5702 SURFACE WINDS JAN 78

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.) NON MONTH YEARS 73-77 ALL WEATHER CONDITION SANTA ANAS CALIFORNIA

| 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 | SPEED (KNTS) DIR. | 1.3 | : | 7 . 10 | 11 . 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 8 | * | MEAN WIND SPEED |
|---|-------------------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-----------------------|
| 0.5 | z | | | | | | | | | | | | | |
| 6.5 | N. | 2.0 | | | ١. | | | | | | | | 5.3 | 4.6 |
| 5.3 4.0 16.0 3.3 1.3 | W. | 7.2 | | | | | | | | | | | 1.07 | 8 . 1 |
| 6.6 | ENE | 2.1 | 4.3 | | | | | | | | | | 0.4 | 7. |
| 0.5 | | 5.3 | | | | | | | | | | | 9.3 | 6.3 |
| 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | ESE | 3.3 | | | | | | | | | | | 1.00 | 3.4 |
| 2.0 1.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | SE | 2.1 | | | | | | | | | | | | |
| 2.0 1.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | SSE | 4.0 | 1. | 1. | | | | | | | | | 2.3 | |
| 2.0 1.3 1.3 1.3 2.0 2.0 2.0 2.0 .7 .7 2.0 2.0 2.0 2.0 .7 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 | 8 | 4.1 | | | | | | | | | | | 0.6 | 1.07 |
| 1.3 2.0 2.0 2.0 2.0 .7 .7 .5.3 2.0 2.0 .7 .7 .9.3 34.0 16.0 3.3 1.3 | SSW | 2.0 | | | | | | | | | | | 3.3 | 2.8 |
| 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | SW | | | | | | | | | | | | | |
| 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | WSW | 1.3 | | | | | | | | | | | 7.2 | 3.0 |
| 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | * | 1.3 | | 2.0 | | | | | | | | | 5.3 | 2.6 |
| 2.0 2.0 2.0 3.3 1.3 | WNW | 5.0 | | | | | | | | | | | 5.5 | |
| 34.0 16.0 3.3 1.3 | ¥ | | | | | | | | | | | | | |
| 34.0 16.0 3.3 1.3 | NNN | 2.0 | | | | | | | | | | | 0.2 | 1.3 |
| 34.0 16.0 3.3 1.3 | VARBL | | | | | | | | | | | | | |
| 16.0 3.3 1.3 | CALM | X | \bigvee | 45.3 | |
| | | 34.0 | 16.0 | 5.3 | 1.3 | | | | | | | | 1000 | 1.8 |

0

DIRNAVOCEANMET SMOS

12239 62181

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

=

150

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

SANTA ANAS CALIFORNIA

93114 station

CONDITION

22 NOVES (1.5.T.)

>0N -

| z 🖁 | • | • • | 7.10 | 91 . 16 | 17 - 21 | 22 - 22 | 28 - 33 | 34 . 40 | 41.47 | 48 . 55 | % AI | * | WIND |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|------|
| 2 2 | 1.3 | | | | | | | | | | | 1.03 | 1.0 |
| 27 | 2.0 | 1.3 | 1. | | | | | | | | | 0.4 | 4.7 |
| 32 | 4.1 | 1,3 | | | 1. | | | | | | | 1.9 | 4.2 |
| FE | 10.7 | | 1.3 | | | | | | | | | 12.0 | 2.8 |
| - | 3.3 | 4.7 | | | | | | | | | | 0.0 | 3.2 |
| ESE | 1.3 | 6.3 | 1. | | | | | | | | | 0.4 | 4.7 |
| 35 | | 1. | | | | | | | | | | 1.3 | 4.5 |
| SSE | | 2.1 | 1. | | | | | | | | | 0.4 | 4:1 |
| s | | | 1. | | | | | | | | | 1.3 | 1.0 |
| SSW | | 1. | | | | | | | | | | 0.2 | 6.3 |
| NS. | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | 3.0 |
| * | | | 1.3 | | | | | | | | | 3.3 | 9.9 |
| WWW | 1. | | | | | | | | | | | 1.02 | 9.9 |
| ¥ | | | | | | | | | | | | | 1.0 |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | 20.0 | |
| | 28.0 | 13.3 | 0.0 | 2.0 | . 7 | | | | | | | 10000 | 2.1 |

3696

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

9

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER

SANTA ANA, CALTFORNIA

93114 STATION

ALL HOUR CLET.

NO. -

COMPITION

| WIND | 9.7 2.1 | 201 3.3 | 4.5 3.3 | 6.5 5.1 | 5.5 3.8 | 9.5 3.8 | 0.4 1.2 | 3.0 4.3 | | 5.9 5.4 | 1.1 | 0.9 5.1 | | 3.6 5.5 | 1.0 3.5 | 1.2 3.9 | | 9. | |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-----|---------|-----|---------|------|---------|---------|---------|-------|-------------|------|
| * | - | 2 | 3 | 9 | 2 | 3 | 2 | 3 | 2 | 2 | 7 | | 13.1 | 9 | - | 1 | | 36.6 | 1000 |
| % Al | | | | | | | | | | | | | | | | | | \bigwedge | |
| 48 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 . 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 45 | | | | - | | | | | | | | | | | | | | \bigvee | • |
| 28 · 33 | | | | : | | | | | | | | | | | | | | \bigvee | |
| n · n | | | | | | | | | | | | | | | | | | X | |
| 17.21 | | | • | 7. | | | | | | | | | | | | | | X | * |
| 9. : | | 1: | 7. | .5 | 7. | | | | 7. | 7. | : | 7. | 1. | 5. | | : | | X | |
| 7.10 | | 7. | 7. | | .5 | 7. | | 1. | | 1. | 5. | 9.7 | 4.5 | 1. | : | : | | X | |
| • • | . 3 | 4. | 9. | 0.1 | 6.1 | 1.3 | :: | 6. | 6. | 7.1 | 1. | 3.4 | 1.0 | | 6. | 7. | | X | |
| : | 9. | 1.9 | 3.0 | 7.4 | 6.2 | 1.5 | 1.2 | 1.4 | 1.2 | 20 | .5 | 7.1 | 5.5 | 1.3 | 0. | 1. | | X | |
| SPEED (KNTS) DIR. | z | NN | Z | E E | | ESE | 35 | SSE | 8 | WSS | * | WSW | 3 | WWW | ž | NN | VARBL | CALM | |

0

0

104

=

1200

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2 2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

ALL MEATHER

NOURS (L.S.T.)

DEC MONTH

CONDITION

| SPEED (KNTS) DIR. | 1.3 | 4:4 | 7 - 10 | 1 . 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 . 40 | 41 - 42 | 48 - 55 | % AI | × | WIND SPEED |
|-------------------------|-----------|-----------|-----------|--------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-------|---------------|
| z | 9. | | 9. | | | | | | | | | 1.3 | 5.0 |
| N. | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| w Z | 0.6 | 0. | | | 0. | | | | | | | 10.3 | 3.4 |
| ENE | 10.3 | 6 | | | | | | | | | | 12.3 | 2.5 |
| w | 5.8 | 1.3 | 2.0 | 9. | | | | | | | | 10.3 | 4.8 |
| ESE | 1.3 | 5.1 | | 9. | | | | | | | | 3.9 | 6.8 |
| 35 | 3.2 | 5.0 | | | | | | | | | | 5.8 | 3,3 |
| SSE | | 0. | | 9. | | | | | | | | 1.3 | 10.0 |
| ~ | 1.3 | G. | 1.5 | | | | | | | | | 3.8 | 3.4 |
| SSW | 9. | | | | | | | | | | | 9. | 1.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| * | | | 9. | | | | | | | | | 9. | 8.0 |
| WWW | 9. | | | | | | | | | | | 9. | 3.0 |
| W | 6. | 9. | | | | | | | | | | 1.3 | 4.5 |
| NNN | | 9. | | | | | | | | | | 9. | 0.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | \bigvee | \bigvee | \bigvee | X | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 49.5 | |
| | 34.8 | 11.0 | 5.5 | 1.9 | 9. | | | | | | | 100.0 | 2.1 |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

93114 STATION

SANTA ANAS CALIFORNIA

SURFACE WINDS

3

HOVES (L.S.T.)

0 -

DEC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALTECKNIA

93114

ALL WEATHER

CONDITION

| MEAN WIND SPEED | 2.6 3.8 | | 9.7 2.8 | 6.4 6.21 | 0.6 0.11 | 2.6 3.0 | | 3.6 | 2.6 3.3 | 0.1 6. | | | 5.5 6.1 | 0.2 0. | | 1.3 2.5 | | 45.8 | 0 6 0 001 |
|-------------------------|---------|-----|---------|----------|----------|---------|-----|-----|---------|--------|-----|-----|---------|--------|---|---------|-------|-----------|-----------|
| 8 | | | | - | - | | | | | | | | | | | | | | |
| 85 - 55 | | | | | | | | | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | | | | | | | | | \bigvee | |
| 34 . 40 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 - 33 | | | | | | | | | | | | | | | | | | X | |
| 2.2 | | | | | | | | | | | | | | | | | | X | |
| 17 . 21 | | | | 1.3 | 0. | | 9. | | | | | | | | | | | X | , |
| 91 . 11 | | | | 0. | 0. | | | 0. | | | | | | | | | | X | |
| 7 . 10 | | 9. | 0. | • | • | | | | 0. | | | | | | | | | X | |
| • | 1.3 | | 3.3 | 1.3 | 4.5 | 6.1 | 0. | 1.3 | | | | | 9. | | | 9. | | X | |
| : | 1.3 | 2.0 | 1.1 | 8.4 | 4.5 | 6.1 | 1.3 | 1.3 | 1.9 | 9. | | 9. | 9. | 0. | | •• | | X | 4 |
| SPEED (KNTS) DIR. | z | W. | W. | ENE | | ESE | SE | 356 | s | SSW | NS. | WSW | * | WWW | ¥ | NNN | VARBL | CALM | |

TOTAL NUMBER OF OBSERVATIONS

155

=

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER COMBITION

SANTA ANAS CALIFORNIA

93114

0

HOURS (LS.T.)

DEC 07

| N | SPEED (KNTS) DIR. | | : | 7 . 10 | 11 . 16 | 17 . 21 | n . n | 28 - 33 | 3.15 | 4.14 | 48 . 55 | * | * | MEAN WIND SPEED |
|--|-------------------------|------|---|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 3.9 .0 7.1 1.3 7.1 3.2 .0 .0 .0 3.9 3.9 .0 .0 .0 1.9 1.9 .0 .0 .0 .0 5.0 2.0 .0 .0 .0 .0 5.0 2.0 .0 .0 .0 .0 6.0 2.0 .0 .0 .0 .0 6.0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 . | Z | 9. | | | | | | | | | | | 2.6 | 3,8 |
| 1.3 1.366661 1.366666 11.0 1 | N. | 3.9 | | | | | | | | | | | 4.5 | 1.9 |
| 11.6 3.7 3.9 1.3 1.3 1.3 1.4 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | w Z | 7.1 | - | | | | | | | | | | 8.4 | |
| 3.9 3.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 | ENE | 7.1 | | | 9. | | 9. | | | | | | 11.6 | |
| 1,3 1,3 1,3 1,3 1,3 1,3 1,3 1,3 1,3 1,3 | - | 3.9 | | | 9. | | | | | | | | 0.6 | |
| 1.9 1.9 1.9 3.9 3.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | ESE | 1.3 | | 1.3 | | | | | | | | | 3.9 | 5.0 |
| 0 2.0 0 2.0 0 2.0 0 2.0 0 3.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | * | 0. | | 9. | | | | | | | | | 1.9 | |
| 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0 | SSE | 1.9 | - | | | | | | | | | | 3.9 | |
| ••• ••• ••• ••• ••• ••• ••• ••• ••• •• | | 0. | | | | | | | | | | | 3.5 | |
| 28.4 17.4 2.0 1.3 .6 | SSW | 9. | | | | | | | | | | | 0. | 0.2 |
| 28.4 17.4 2.0 1.3 .6 | XS. | | | | | | | | | | | | | |
| 28.4 17.4 2.0 1.36 100.0 | MSM | 0. | | | | | | | | | | | 9. | 1.0 |
| 28.4 17.4 2.0 1.3 .6 | * | | | | | | | | | | | | | |
| 28.4 17.4 2.0 1.3 .6 | WNW | | | | | | | | | | | | | |
| 28.4 17.4 2.0 1.3 .6 | M | | | | | | | | | | | | | |
| 28.4 17.4 2.0 1.3 .6 | MNW | | | | | | | | | | | | | |
| 28.4 17.4 2.0 1.3 | VARBL | | | | | | | | | | | | | |
| 17.4 2.0 1.3 .6 | CALM | X | X | X | \bigvee | 49.1 | |
| | | 28.4 | | | | | g. | | | | | | 100.0 | 1.9 |

MEAN WIND SPEED

34 - 40

. 33

28

. 27

2

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

1.3

6:

0

2.0

Z Z

...

.

000

N.

1.3 1.9 .

0.6

3.5

ESE SSE 9.7

3.9

4.3 0

9 . 1

SSW

*

9.

0.0 3.5

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALTEGRNIA

93114 STATION

YEARS

WEATHER

ALL

10 HOURS (L.S.T.)

DEC MONTH

COMDITION

9.21

8.4

4.4 3.3 ... 2010 1. 0 2.0

1111

2.3 4.5 0. 2.5

3.0 5.0

3.1 100.0 41.3

TOTAL NUMBER OF OBSERVATIONS

1.9

3.2

6.0

15.5

30,3

0.

3

VARBL

CALM

NN.

ž

00

3.5

WSW

S

N

*

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2 5

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114

0

0

0

ALL WEATHER

YEARS

HOURS (1.5.T.) 13

DEC MONTH

COMBITION

| SPEED (KNTS) DIR. | : | • | 7 - 10 | 11 . 16 | 17 . 21 | 22 . 22 | 28 · 33 | 34 . 45 | 41.47 | 48 - 55 | 8 | × | WIND SPEED |
|-------------------------|------|------|--------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-------|---------------|
| + | ¢. | 9. | | | | | | | | | | 1.3 | - |
| ¥ | | 0. | 0. | | | | | | | | | 1.3 | 9 |
| Z | | | 0. | 0. | | | | | | | | 1.3 | 13. |
| Z | | | 9. | 9. | 1.3 | 1.3 | | | | | | 3.9 | 18. |
| - | | 3.1 | 9. | 9.2 | | | | | | | | 4.5 | 10 |
| 353 | 9. | 9. | | | | | | | | | | 1.3 | 3.6 |
| * | | | 1.3 | 0. | | | | | | | | 1.9 | 10. |
| 388 | 9. | • | | | | | | | | | | 1.3 | 3. |
| - | 0. | . 2 | 3.5 | 9. | | | | | | | | 1.1 | • |
| SSW | | 3.9 | 1.9 | | | | | | | | | 2.8 | 9.0 |
| * | 0. | * | 103 | | | | | | | | | 6.9 | 5. |
| MSM | 2.0 | = | 3.6 | | | | | | | | | 16.3 | 5.0 |
| - | 1.1 | 14.2 | 4.0 | 0. | | | | | | | | 31.0 | 3. |
| WWW | 1.3 | 3.5 | | | | | | | | | | 4.5 | 3.6 |
| | | 9. | 9. | | | | | | | | | 1.3 | |
| NNN | 9. | 1.3 | 0. | | | | | | | | | 2.6 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | \bigvee | \bigvee | X | \bigvee | \bigvee | \bigvee | \bigvee | \bigvee | 7.7 | |
| | 15.5 | 45. | 23.5 | 5.8 | 1.3 | 1.3 | | | | | | 10000 | 5.5 |
| 1 | - | - | 1 | 1 | | ١ | | | | 1 | | | 1 |

TOTAL NUMBER OF OBSERVATIONS

900

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

| SURFACE WINDS | DEC |
|---|------------|
| PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | 73=77 vons |
| • | CALTFORNIA |
| SERVICE NC | |
| L WEATHER SERVICE DETACHMENT ASHEVILLE, NC | SANTA ANAS |

ALL WEATHER

CONDITION

E

16

| SPEED (KNTS) DIR. | 1.3 | *: | 7 . 10 | 11 . 16 | 17 . 21 | 22 - 27 | 28 - 33 | 34 . 40 | 41.40 | 48 - 55 | 128 | * | WIND |
|-------------------------|------|------|--------|---------|-----------|---------|-----------|-----------|-----------|---------|-----|-------|------|
| z | | | | | | | | | | | | * 1 | 0.01 |
| N.N. | | | 9. | 9. | | | | | | | | | 2 |
| 2 | | | 1.3 | 1.3 | | | | | | | | 2003 | |
| Z | 0. | | 0. | 0. | | | 9. | | | | | 009 | - |
| | | | 1.3 | | 9. | | | | | | | | |
| ESE | | | | | | | | | | | | 9. | 0.0 |
| SE | | 9. | | | | | | | | | | 3 | |
| SSE | | 4.3 | | | | | | | | | | | |
| 5 | | 9.5 | 1.9 | 9. | | | | | | | | 2 | 9.6 |
| SSW | 3.6 | 5.8 | | | | | | | | | | | 3.6 |
| NS. | 1.9 | | | | | | | | | | | | 6.5 |
| WSW | 1.9 | 15.5 | 4.5 | | | | | | | | | 5.55 | |
| 3 | 6.5 | 21.3 | | • | | | | | | | | 0. | 0.0 |
| WNW | | | 1.9 | | | | | | | | | | 9 |
| ¥ | | 0. | | | | | | | | | | - | |
| NNN | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | 1 | 6.1 | |
| CALM | X | X | X | X | \bigvee | X | \bigvee | \bigvee | \langle | X | | | |
| | 16.2 | 52.9 | 25.6 | 3.9 | 9. | | 9. | | | | | 100.0 | 0.9 |

93114 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

3416

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

19

DEC

YEARS

73-77

SANTA ANAS CALIFORNIA

93114

STATION NAME

| 1 | | |
|---|--|--|
| | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| | | |
| 1 | | |
| | | |
| 1 | | |
| 1 | | |
| 1 | | |
| | | |
| 1 | | |
| 1 | | |
| | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| | | |

| MEAN WIND SPEED | | | 306 | | | | 0.6 | | 0.7 | | 3.0 | 1 | 2.6 4.8 | | - | | 0 | | 0.0 |
|-------------------------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|----|-----|-------|-----------|-------|
| * | 3 | 7 | - | | 77 | - | - | - | 1 | - | - | - | - | + | - | + | 1 | | 10000 |
| VI Se | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | X | |
| 48 - 55 | | | | | | | | | | | | 1 | | | | 1 | (| X | |
| 41.47 | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | X | |
| 34 . 46 | | | | | | | | | | | | | | | | | | \bigvee | |
| 28 · 33 | | | | | | | | | | | | | | | | | | X | |
| 22 - 22 | | | | | 9. | | | | | | | | | | | | | \bigvee | 9. |
| 17 - 21 | | | | | | | | | | | | | | | | | | \bigvee | |
| 11 . 16 | | | 9. | 1.9 | | | | | | | | | | | | | | \bigvee | 2.6 |
| 7 . 10 | | | 9. | 9. | 1.3 | 9. | 9. | 1.3 | | | | | | • | | •• | | X | 4.4 |
| • • | 0 | | | | 1.3 | | 9.6 | 1.3 | | | | | | 6.1 | 0. | 9. | | X | . 0 |
| 1.3 | 2.5 | 1.3 | 1.9 | 4.5 | 0.6 | 3.9 | 3.6 | 1.3 | 2.5 | 1.9 | 1.3 | 1.3 | | 9. | | 9. | | X | 7.87 |
| SPEED (KNTS) DIE. | , | N. N. | ¥ | Z | | 253 | * | 386 | 5 | SSW | AS. | MSM | * | WWW | ¥ | NNN | VARBL | CALM | |

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY JAN 78 5703

=

155

TOTAL NUMBER OF OBSERVATIONS

21.3

VARBL

CALM

N N

SW WSW

25 22 25 25 25 25

0

•

0

* *

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Ē

SURFACE WINDS

73-77

SANTA ANAS CALIFORNIA

93114 STATION

YEARS

ALL WEATHER

22 HOURS (L.S.T.)

330 MONTH

| WIND SPEED | 8.0 | 6.6 | 3.1 | 1.8 | 3.3 | 5.3 | 3.3 | 9.6 | 4.1 | 0 | - | 2.5 | 2.0 | | | 2.3 |
|---------------|-----|------|-----|------|------|-----|-----|-----|-----|---|---|-----|-----|--|------|-------|
| × | 9. | 1.03 | 5.5 | 0.6 | 10.3 | 5.8 | 5.0 | 4.5 | 3.9 | 4 | • | 1.3 | 9. | | 24.2 | 100.0 |
| % AI | | | | | | | | | | | | | | | X | |
| 48 - 55 | | | | | | | | | | | | | | | X | |
| 41 - 47 | | | | | | | | | | | | | | | X | |
| 34 - 40 | | | | | | | | | | | | | | | X | |
| 28 - 33 | | | | | | | | | | | | | | | X | |
| 22 - 27 | | | | 9. | | | | | | | | | | | X | 9. |
| 17 . 21 | | | | 9. | | | | | | | | | | | X | 9. |
| 11 . 16 | | 9. | | 1.3 | 0. | | | | | | | | | | X | 2.0 |
| 7 . 10 | 0. | | 0. | 1.53 | | 6.1 | • | 9. | | | | | | | X | 9.6 |
| • • • | T | | 1.3 | 1.3 | 6.7 | 2.0 | 1.3 | 3.3 | 7.0 | | | | | | X | 14.6 |

DIRNAVOCEANMET SMOS

2

5703 CEILING VERSUS VISIBILITY JAN 78

1.3

SPEED (KNTS) DIR.

z z z z

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

ALL WEATHER

YEARS

ALL HOURS (L.S.T.)

330 MONTH

COMBITION

| - 6 | | |
|-----|----|--|
| | | |
| | | |
| | | |
| 8.5 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 1 | |
| | | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | ĺ | |
| | | |
| | 1 | |
| | ١. | |
| | 1 | |
| | 1 | |
| | ı | |
| | ı | |
| | 1 | |
| | ı | |
| | ı | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | ſ | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | ı | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | ł | |
| | 1 | |
| | ١ | |
| | ł | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | 1 | |
| | | |

| SPEED (KNTS) | :: | • • | 7 . 10 | 11 . 16 | 17 . 21 | 22 - 22 | 28 - 33 | 34 . 40 | 41.47 | 48 - 55 | % Al | * | WIND WIND SPEED |
|-----------------|------|------|--------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| T | 1 | 7 | 6 | | | | | | | | | 1.5 | 3.7 |
| 1 | • | 2 | 3 | 6 | | | | | | | | 2.2 | 4.5 |
| 1 | 100 | | 9. | | | | | | | | | 5.6 | 0.4 |
| 1 | 0 | • | • | | 7 | | - | | | | | 8.3 | 0.6 |
| | 4. | 0.1 | | ? | | | * | | | | | 7.9 | 5.0 |
| | 0.4 | 0.2 | 6. | • | 7. | • | | | | | | 3.0 | 6.3 |
| | 1.4 | 1.0 | | | | | | | | | | 200 | 7 |
| T | 1.0 | 1.0 | .5 | 1. | 1. | | | | | | | 307 | 1 |
| T | COS | | .5 | 7. | | | | | | | | 3.0 | |
| T | 6.1 | | 0.1 | 7. | | | | | | | | 1.5 | |
| T | 0 | | | | | | | | | | | 3.0 | 5.1 |
| T | 1 | 4. | | | | | | | | | | 2.1 | 3 |
| T | | | | | | | | | | | | 5.4 | 8 . 4 |
| | 2.4 | * | 200 | | | | | | | | | 0.6 | 5.1 |
| | 5.4 | 0.4 | | 7. | | | | | | | | 2.0 | 0.0 |
| WNW | 6. | 9 | | | | | | | | | | | |
| T | 7. | | 7. | | | | | | | | | • | |
| NN. | * | | 2. | | | | | | | | | : | 201 |
| VARBL | | | | | | | | | | | | 1 | |
| CALM | X | X | X | \setminus | \bigvee | 1000 | |
| | 1 22 | * 66 | 0 | 2.9 | 1.0 | 4. | - | | | | | 100.0 | 3.2 |

E

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93114 STATION

5703 CEILING VERSUS VISIBILITY

(1)

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

SANTA ANAS CALIFORNIA

93114

ALL WEATHER

YEARS

ALL HOURS (L.S.T.)

ALL

COMDITION

| MEAN WIND SPEED | 0.4 | 204 | 204 | 2.0 | 3.6 | 3.9 | 4.5 | 4.5 | 9.0 | 9.8 | 6.3 | 6.9 | 719 | 6.9 | 201 | 0.4 | | | 2 7 |
|-------------------------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|-----|-------|-----------|------|
| * | - | 1.4 | 5.9 | 3.5 | 4.0 | 2.9 | 3.3 | 3.6 | 9.0 | 2.9 | 6.4 | 11.9 | 13.2 | 1.2 | 6. | 1. | | 31.2 | |
| VI 36 | | | | | | | | | | | | | | | | | | \bigvee | |
| 86 - 85 | | | | | | | | | | | | | | | | | | X | |
| 41.47 | | | | | | | | | | | | | | | | | | X | |
| 34 - 40 | | | | | | | | | | | | | | | | | | X | 4 |
| 28 - 33 | | | 0. | 0. | | | | | 0. | | | | | | | | | X | • |
| 2.2 | | 0. | 7. | : | 0. | | | | | | | 0. | | | 0. | | | X | • |
| 17 - 21 | 0. | 0. | 2. | 7. | 0. | | • | 0. | 0. | • | | - | : | 0. | 0. | 0. | | X | 8 |
| 11 - 16 | : | -: | 7. | 7. | • | : | • | - | 7. | • | 6. | • | 0. | • | 0. | 0. | | X | 3 .0 |
| 7 . 10 | : | 7. | 7. | 7. | 7. | | | *. | 7.7 | 7.6 | 201 | * . * | 4.5 | *. | • | : | | X | |
| *: | . 3 | 6. | | 1. | 7.7 | 7:1 | 1.4 | 4.3 | | 4.7 | | 2.1 | 2.3 | 0. | 6. | 6. | | X | 96 |
| 1:3 | 9. | 6. | 1.1 | 7.7 | 6.3 | 1.5 | 1.3 | 1.4 | 2.1 | 1.0 | 6. | 1.1 | 6.3 | | 6. | * | | | 0.00 |
| SPEED (KNTS) DIR. | z | NN NN | ¥ | Z | | ESE | SE | SSE | s | SSW | 3W | WSW | * | WWW | *N | NNN | VARBL | CALM | |

0

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY JAN

=

UBBG

2118

TOTAL NUMBER OF ORSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

SANTA ANA, CALIFORNIA

93114

YEARS

INSTRUMENT

ALL HOURS (LS.T.)

ALL

AND/UR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT DR MORE CIG 200 TO 1400 FT W/VSBY 1/2 MI UR HURE,

| 1. | SPEED (KNTS) DIR. | 1.3 | 4.6 | 7 - 10 | ş. : | 17 . 21 | 22 · 27 | 28 . 33 | 34 . 40 | 41.4 | 48 - 55 | % AI | * | WIND WIND SPEED |
|---|-------------------------|------|-----|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 1. 5. 7. 1.1 1.2 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 1 | 6 | 3. | | | | | | | | | | 1.3 | 2.8 |
| 1, 4 | Z | 1. | 7. | 7. | | | | | | | | | 1.0 | 3.0 |
| 1. 9 1.1 .2 .0 .0 | u 7 | 1.4 | - | 0. | | 0. | | | | | | | 7.7 | 3.4 |
| 31.5 23.8 7.6 1.2 .2 31.5 23.8 7.6 1.2 .2 | ENE | 1.9 | - | | | | | | | | | | 3.0 | 3.0 |
| 1. 1. 9 . 5 . 1 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 | | 3.0 | | 7. | 0. | | | | | | | | 2.1 | 3.0 |
| 1. 1. 9 . 5 . 1 . 0 2. 4. 6 3. 2 . 9 . 0 3. 6 3. 4 1. 7 . 1 . 0 3. 9 7. 1. 4 . 3 3. 9 7. 6 1. 2 . 2 | ESE | 6.2 | | 7. | | | | | | | | | 6.5 | 300 |
| 2. 4. 6 3. 4 3. 4 3. 6 3. 6 3. 6 3. 6 3. | SE | 1:1 | | | | | | | | | | | 7.4 | |
| 31.5 23.8 7.6 1.2 .2 | SSE | 7.4 | | 9. | : | 0. | | | | | | | 5.3 | 7. |
| 31.5 23.8 7.6 1.2 .2 | | 4.0 | | 6. | 7. | 0. | | | | | | | 0.6 | 204 |
| 31.5 23.8 7.6 1.2 .2 | SSW | 3.0 | | 6. | 0. | | | | | | | | | * |
| 31.5 23.8 7.6 1.2 .2 | AS. | - | | 9. | | | | | | | | | 20.7 | |
| 31.5 23.8 7.6 1.2 .2 | WSW | 2.0 | | 1.1 | : | 0. | | | | | | | 6.1 | 000 |
| 31.5 23.0 7.6 1.2 .2 | * | 3.4 | | 104 | 6.3 | | | | | | | | 200 | • |
| 31.5 23.0 7.6 1.2 .2 | WWW | 8 | | 7. | | | | | | | | | 1.9 | |
| 31.5 23.0 7.0 1.2 .2 | × | 9. | | 0. | | | | | | | | | • | 207 |
| 31,5 23.0 7.0 1.2 .2 | NNN | * | | | | | | | | | | | | 3.0 |
| 31,5 23.0 7.0 1.2 .2 | VARBL | | | | | | | | | | | | | |
| 23.8 7.6 1.2 .2 | CALM | X | X | X | \bigvee | 35.1 | |
| | | 31,5 | 2 | | | .2 | | | | | | | 0.001 | 2.6 |

SMOS DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NWSD, Federal Building

Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a <u>bivariate percentage frequency distribution</u> by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
 - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection ferring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent Beginning in July 1948 for Air Force stations and January 1949 for USWB and \overline{U} . S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

| | O AI | 75 | 9 60 | | | | 98.1 | | 100.0 |
|----------------------------|-------------|------------|---------------|----------------|----------------|--------------|-----------------------|----------|-------|
| | × 1 | 75 | | | | | | | |
| | ≥ 5/16 | | | | | | | K-017 37 | |
| | ٧ /١ | | | | | | | | |
| | % Al |)> | | | | | | | |
| | % Al | | | | | | | | |
| ES) | N N | | | | | | 4.72 | 4 75 | 98.3 |
| VISIBILITY (STATUTE MILES) | 7,1 < |) | | | | | | | |
| BILITY (ST. | N 1 % | | | | | | | | |
| VISI | 2 | | | | | | | | 6.96 |
| | ≥ 2 % | 7 | | | | | | | |
| | VI S | 7 | 0 | | | | | | 95.4 |
| | 4 | | la de | | | | | | |
| | VI VI | 75 | | | | | | | |
| | 9 | (| 8 | | | | | | |
| | 01 11 | | | | | | | | |
| CEILING | (FEET) | NO CEILING | VI VI 1500 | V 1200 1000 | VI VI 80 80 | VI VI 008 | VI VI 00 4 00 4 | N N | 8° |

Read ceiling values independently of visibility under column at right headed ≥ 0 . For instance, from the table: Ceiling ≥ 1500 feet = 92.6%. Ceiling ≥ 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. in the table for the second set of limits. The difference will be the percentage of

The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.

Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data. NOTE:

Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| TENTHS | 0 H M 4 W W W | ၈ တ ဒိ |
|--------|---------------|---------------|
| | 0 1 0 m 4 50 | obscured) |
| OKTAS | 0 H W M T W W | 8 7 6 0 or |

SANTA ANA, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

O.L. HOURS (LST.) NAC

280

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | | - | _ | _ | _ | _ | | - | _ | _ | _ | _ | _ | _ | ~ | | _ | - | _ | | - | - | _ | _ | _ | - | _ | - | _ | - | -1 | _ | \overline{a} |
|----------------------------|--------------|------------|-------|------|-------|-----|-------|-----|------|-----|------|------|------|------|------|------|------|------|----------|-----|------|------|------|-----|-----|------|------|-----|-----|------|-------|------|----------------|
| | ٨١ | | | 72.9 | | | 74.2 | 3 | 0 | | 0 | 80.0 | | 81.9 | 81.5 | 85.2 | | 88.4 | 90.3 | 0 | 93.6 | 95.5 | | 95. | | 96.1 | 96.1 | 96. | | 98.1 | | 98. | |
| | N N | | | | | | 74.2 | 5. | | • | 6 | 0 | : | - | - | 2 | 7. | 8 | 60.3 | 0 | 3 | 2 | 3 | 5 | • | | • | 9 | - | 98.1 | * | 98.1 | 8 |
| | > 5/16 | - | 2. | 2. | 5 | 5 | 74.2 | 3 | .9 | 0 | 6 | 0 | - | - | - | 5 | - | 8 | | 0 | 3 | 5 | 5 | 5. | 9 | 0 | • | 9 | • | 0 | 96.8 | è | 0 |
| | Z M | | | • | 2 | | | 2 | ; | | 6 | 0 | - | : | - | 2 | 1. | 8 | 80.3 | 0 | | 5 | 2 | 2 | ; | | | 9 | • | | | 8006 | 0 |
| | * | | | 6. | 6 | | | .5 | 80 | 00 | 4 | 0. | • | 6. | 0 | 2 | | * | m | .3 | 9. | 5 | | | - | - | - | | œ | . 8 | 8.96 | | • |
| | × Al | 1.0 | 0. | 6. | 6. | 6. | 74.2 | | 6.8 | 80 | 4.6 | 0.0 | 1.3 | 1.9 | 1.9 | 2.5 | | 4.8 | | | 9. | | | .5 | | - | -: | 8 | 6.0 | .00 | 9.9 | | 0.0 |
| | - | 0 | 6. | | • | 2. | | 3 | 8.9 | 6.8 | 4.6 | 0.0 | 1.3 | 1.9 | 1.9 | 5.2 | 7.1 | 8.4 | 60 | 0.3 | 3.6 | 5.5 | 5.5 | 5.5 | 1.9 | 6.1 | 6.1 | 8.9 | 8.9 | 8.9 | 8.9 | 0 | 0.0 |
| VISIBILITY (STATUTE MILES) | 7 1% | 6 | 71.6 | - | • | 1.6 | • | 2.4 | 5.5 | 5.5 | 8.1 | 8.7 | 0.0 | 2.0 | 1.0 | 3.9 | 5.8 | 7.1 | 0.68 | 0.6 | 2.3 | 4.2 | 4.2 | 7.4 | 8.4 | 8.4 | 8.4 | 5.5 | 5.5 | 5.5 | 5.5 | 95.5 | 5.5 |
| LITY (STAT | ۲۱ کا ۱۲۸ | 4.6 | 1.6 | 9. | 1.6 | 1.6 | 2 | 2.4 | 5.5 | 5.5 | 8.1 | 8.7 | 0.0 | 0.1 | 2.0 | 3.9 | œ | 7.1 | 0.6 | 0.6 | 2.3 | 4.2 | 2.4 | 2.4 | 20 | 8.4 | 4.8 | 5.5 | | 5.5 | 5.5 | • • | 2.5 |
| VISIBI | 7 | 8 . 4 | 6.0 | 6.0 | | 6.0 | 9.1 | 2.9 | 4.2 | 2.4 | 8.9 | 4.6 | 8.7 | 4.6 | 4.6 | 5.6 | 4.5 | 5.8 | 7.7 | 7.7 | 1.0 | 5.6 | 5.8 | 5.9 | 3.6 | 3.6 | 3.6 | 4.2 | 4.2 | 4.2 | _ | 4.2 | 4.5 |
| | 2 2 % | 7.7 | 0.6 | 0 | 0.6 | 0.6 | 70.3 | 9. | | 6. | .5 | 1.9 | 4.1 | -: | 8.1 | .3 | 3.2 | 4.5 | | 6.5 | 4.1 | 1.6 | 3.6 | 9. | 2.3 | | 2.3 | 0. | 5.0 | 6. | 5.9 | | 5.0 |
| | e Al | 1:1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.3 | - | 2 | 2. | 2 | 6.1 | 4.7 | 8.1 | 8.1 | 1.3 | 3.2 | 4.5 | ·× | 6.5 | 1.6 | 1.6 | 1.0 | 1.6 | 2.3 | 2.3 | 2.3 | 5.9 | 0. | 5.9 | 5.9 | 0 | 5.9 |
| | 4 | . 3 | 3 | 00 | 5.8 | 00 | 6.5 | 7.1 | 4.8 | 4. | 1.0 | 1.6 | 5.0 | 3.6 | 3.6 | 6.8 | 8.1 | 0.0 | .3 | 1.3 | 3.9 | 30 | 60 | 0 | 3.8 | 80 | 8.8 | (E) | 5.8 | 5.8 | | 5.0 | 30 |
| | s, Al | 6. | 5.5 | .2 | 7. | ~ | | 5 | 1 | | ~ | 0 | 3 | 3. | 5. | | | * | 1. | | .2 | .2 | .2 | 2. | | 7. | 2. | 2. | 2.5 | 2.5 | 85.2 | 5.5 | 2.5 |
| | • Al | 1.9 | 3.5 | 3.2 | 3.2 | 3.2 | 3.9 | 4.5 | | 5.8 | 4.8 | 0.6 | · | 1.0 | 1.0 | 3.6 | | 80 | 78.1 | | 1.0 | | 1.3 | | 1.3 | 1.3 | | .3 | 1.3 | 1.3 | 1.3 | .3 | 1.3 |
| | 2 | 6.1 | | 1.9 | 7 | 7 | 6.1 | 7 | 7.4 | 4 | 4 | | 4 | 7.4 | | 4. | 8.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.02 | 0.0 | 0.0 |
| CEILING | | NO CEILING | 20000 | - | 16000 | - | 12000 | - | 0006 | | 2000 | 0009 | 2000 | | 4000 | - | 3000 | - | 2000 | - | 1500 | - | 0001 | - | 00 | - | 8 | - | 8 | - | 500 | 91 | \dashv |
| 2 | _ | 2 | Al | | M | | IAI | ٨ | IAI | ٨ | IAI | ٨ | IAI | ^ | IAI | ٨ | 1 11 | ^ | IAI | ٨ | I A! | ٨ | IAI | ٨ | ۱۸۱ | ^ | IAI | ^ | IAI | ٨ | IAI | Al | ٨١ |

TOTAL NUMBER OF OBSERVATIONS

155

9880

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANA, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 HOURS (1.5.T.) NAN

| CEILING | | | | | | | VIS | VISIBILITY (STATUTE | ATUTE MILES) | ES | | | | | | |
|------------|------|---------|----------|------|------|------|------|---------------------|--------------|------|------|-------|------|--------|------|------|
| (FEET) | 21 | o Al | ۸۱ ده | 1 | 6 VI | ≥ 2% | 1 2 | ¥1 ¥ | ¥1 ¥1 | - | × Al | * | Z AI | ≥ 5/16 | AI N | AI . |
| NO CEILING | 20 | | 6119 | er: | 63.9 | 63.9 | 64.5 | 5 | | 5 | 65.8 | 65.8 | 66.5 | | 1 | 67. |
| 7 20000 | 9 | | | 2 | | 2 | 0 | | | - | | | 0 | 6 | : | 6 |
| ≥ 18000 | 00 | | | 3 | | 2 | | | | - | •. | | | | 6 | 6 |
| ≥ 16000 | 8 | | • | 5 | | 5 | • | - | 1. | - | | - | | 6 | | |
| 100 | , | | | 9 | • | | | | 6 | 6 | | | 6 | | 0 | • |
| > 12000 | 0 | | | | | 2 | 6 | 0 | 0 | ò | | | - | - | - | - |
| - | 0 | | | - | | 6 | 0 | : | - | - | | | 7 | | 2. | 2. |
| 0006 | 0 | | | 7 | | 6 | | - | | = | | = | 3 | 2 | 5 | 72.9 |
| 1 | 0 | | | 6 | | 0 | - | 2. | 2 | 2 | | 2. | | * | | * |
| 700 | 0 | | | - | | 2 | | | * | ; | | | 2 | | | • |
| i | 0 | | | - | | 2. | 3 | | * | 3 | | | 5 | .0 | | 9 |
| 2000 | 0 | | | 2. | | * | | - | - | - | | - | | 8 | | |
| | 0 | | | . 4 | | 5. | - | 8 | 8 | 8 | | | | .0 | 0 | |
| 900 | - | | | . 9 | | - | 6 | | 0 | ċ | | | : | - | - | : |
| ! | - | | | • | | 20 | | - | - | - | | | : | 2. | 2. | 2 |
| 3000 | - | | | 0 | | - | * | 2 | 3 | 5 | | | .0 | - | 7 | |
| | - | | | - | | 2. | | | | | | • | : | | | : |
| 7000 | - | | | | | 4 | - | | 8 | | | | 6 | 6 | 6 | 89. |
| 1 | - | | | | | . 5 | | | 8 | 8 | | | 6 | 6 | 6 | 89. |
| 1800 | 21.9 | 61.9 | | • | 8 | 88.4 | : | | 92.3 | 92.3 | • | 92.3 | 6.26 | 93.6 | 93.6 | 93. |
| | - | | | | | 6 | - | 2. | 3 | 2 | | | | * | | 94. |
| 000 | - | | | | 6 | 0 | 92.3 | 3 | 3 | ė | | * | ; | * | ; | * |
| | - | | | | • | 6 | 2 | 3 | 3 | 3 | | | | | 4 | 94. |
| 8 | - | | | | 6 | 6 | ~ | 3 | 3 | | • | | ; | ; | ; | 3 |
| | - | | | | | 6 | 3 | | | | | 3 | ; | * | * | 94. |
| 8 | - | | | 87.7 | 6 | 6 | 2. | 3 | | • | | 3 | ; | ; | ; | 94. |
| | - | | | | | 0 | | | ; | | | 3 | * | 5 | 2 | 95. |
| 9 | - | | | 87.7 | - | - | | ; | 4 | 4 | | | 3 | | | 96 |
| | : | | 85.8 | 87.7 | | | | | | 8.76 | | * | 2 | 9 | | 96 |
| 38 | - | | • | 87.7 | - | 1. | | | | * | • | | 2 | • | ; | 98. |
| 81 | - | | 85.8 | 87.7 | 0.16 | 91.0 | 93.6 | | . 5 | 8.46 | 8.76 | 8. 96 | 2 | 96.1 | | 98. |
| | | | | | | | | | | | | - | | | | |

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA 93114

73-77

07 HOURS (1.5.7.) JAN

E

155

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANA, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAU ION TO THE TO THE TOTAL TO THE TOTAL T

100

| CEILING | | | | | | | EIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | (3) | | | | | | |
|---------|------|---------|----------|------|------|--------|------|-------------|----------------------------|------|------|---------|------|--------|---------|-----|
| | 2 | ۰ ۸۱ | 5 | A) | e Al | ≥ 21/5 | 7 | V 1% | V1 74 | - AI | 74 | # Al | Z Al | ≥ 5/16 | VI N | ٨١ |
| + | 0 | 5.9 | | 6 | - | 1. | | | * | 4 | * | 4 | | 4. | 64.5 | 65 |
| 20000 | 27.1 | 4.6 | | 63.9 | 65.8 | 66.5 | 6 | 10.3 | • | 70.3 | 0 | 70.3 | 70.3 | | 70.3 | : |
| - | | - | | | | | | 71.0 | 71.0 | 71.0 | | 71.0 | 11.0 | 71.0 | | 7. |
| | | | | 171 | - | | - | 71.6 | | | - | - | | • | | 72. |
| - | | 0 | | | 8 | 6 | 2. | | 3 | | 3 | 13.6 | | 3 | 73.6 | |
| | | 6 | | 4.89 | 70.3 | 71.0 | * | 75.5 | 75.5 | | 76.1 | 76.1 | | | 76.1 | 46 |
| - | | 0 | | 6 | - | | 5 | | | | | | | 9 | | - |
| - | | 9 | | 0.69 | - | 71.6 | | 76.1 | | | | | | • | 76.8 | 7. |
| - | | ~ | | | - | | 9 | 76.8 | | | | | | - | | 78. |
| _ | | ~ | | 1.69 | - | | | | - | | | | | | 78.1 | 78 |
| - | | .5 | | | 2 | | 8 | 8 | | | | | | 6 | | 80. |
| - | | | | • | 2 | | | 78.7 | | | | | | 6 | 79.4 | 80. |
| + | | 2 | | | 3 | | 80 | 6 | | | | | | 0 | | 80. |
| - | | 80 | | 72.3 | | 14.8 | | 80.0 | 80.0 | 0 | | 80.7 | 80.7 | 80.7 | 80.7 | 81. |
| + | | 1. | | 4 | 9 | | - | 2. | 2 | 2 | | | | 3 | | 83 |
| | | - | | 77.4 | 6 | | | 85.2 | 2 | | | | 85.8 | 3 | 85.8 | 86. |
| + | | 6 | | 0 | - | | - | 1: | - | - | | 88.4 | | 8 | | 89. |
| | | . 1 | • | 84.5 | 86.5 | | - | 92.3 | 3. | 2 | | | | 3 | 92.9 | 93. |
| + | | - | | 4 | 0 | | 1: | 2 | 2. | 2 | | 6.26 | | 2. | 2. | 93. |
| | | 78.1 | | 86.5 | 88.4 | 0.68 | 3 | 94.8 | 8. 56 | 94.8 | 95.5 | 95.5 | 95.5 | 5 | 95.5 | 96 |
| - | | - | | 86.5 | 8 | | | | * | * | | | | 5 | | 96 |
| _ | | - | • | 86.5 | 88.4 | 0 | | 94.8 | | 3 | | 96.1 | | | | 96 |
| + | | 1 | | 86.5 | 88.4 | | 3 | | 3 | | | | | | 1.96 | 96 |
| - | | - | | 86.5 | | | 3 | | | 3 | | | | 9 | | 96 |
| + | | - | | | | 89.7 | 3 | | | | | | | 9 | | 97. |
| _ | | | | | 00 | 89.7 | 3 | 3 | | | | | | 9 | 96.8 | 97. |
| + | | - | | 86.5 | 8 | 1.68 | 4 | - | 0 | | | | | .0 | | 97. |
| _ | | 78.1 | | 86.5 | 00 | 89.7 | 4 | | 96.1 | | | 8.96 | | • | 97.4 | 98. |
| - | | - | | | 8 | 1.68 | 94.2 | 95.5 | 1.96 | 1.96 | | 8.96 | 4.10 | | 98.1 | |
| _ | | 78.1 | 84.3 | 86.5 | 88.4 | 2.68 | ; | 62.5 | | 96.1 | | | 97.4 | 97.4 | 1.86 | 001 |
| - | 35.5 | - | 84.5 | 86.5 | 88.4 | 89.7 | 2.46 | 65.5 | 1.96 | 96.1 | 96.8 | 96.8 | 41.4 | 97.4 | 98.1 | 00 |
| _ | | - | 84.5 | 20.5 | 40.4 | OX | | 4 | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

155

=

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

CEILING VERSUS VISIBILITY

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 HOURS (1 \$ 7.)

9311

0

LAN

2

| CEILING | | | | | | | 2 | | VISIBILITY (STATUTE MILES) | (2) | | | | | | |
|---------|------|---------|-------|------|------|------|------|--------|----------------------------|------|---------|------|------|--------|---------|-------|
| E | 2 | o Al | \$ 11 | 4 | E AI | N 2% | 7 | V1 7/2 | 71 71 | Ā | % Al | * | Z AI | ≥ 5/16 | % Al | AI |
| ILING | | 50.3 | - | 4 | 6 | 6 | - | 2 | 2 | 3. | 3. | 3. | 3 | 3. | 3. | |
| 20000 | | 55.5 | 56.8 | 0.09 | 65.2 | 65.2 | 67.1 | 4.89 | 4.89 | 1.69 | 1.69 | 1.69 | 69.7 | 6 | 69.7 | 69.7 |
| 000 | | 56.8 | | - | ; | | 8 | 6 | | - | | - | : | : | | : |
| 16000 | | 96.8 | | 61.3 | 66.5 | 66.3 | 68.4 | | | • | | | | 71.0 | | 71.0 |
| 000 | | 58.1 | 6 | 2 | - | | 0 | - | - | 2 | | | | 2 | | |
| 12000 | | 58.7 | 60.09 | 63.2 | 68.4 | 4.89 | 71.0 | 72.3 | | | • | 73.6 | | 73.6 | | 73.6 |
| 8 | | 6119 | | 9 | | - | 3 | 5 | 5 | | | 9 | | 9 | | |
| 0006 | | 61.9 | - | 66.5 | - | • | 74.2 | 75.5 | 75.5 | | 76.8 | 76.8 | 76.8 | 76.8 | | 76.8 |
| 8 | | 62.6 | | | 2 | 2 | 3 | 0 | 0 | 7. | | | | | | |
| 2000 | | 62.6 | | 67.1 | 72.9 | 72.9 | 75.5 | 76.8 | 76.8 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 8 | | 63.2 | | | 3 | | 9 | - | | 8 | | | | | | |
| 2000 | | 64.5 | 65.8 | 69.0 | 74.8 | 74.8 | | 8 | | 80.0 | 80.0 | 80.0 | | 80.0 | 80.0 | 80.0 |
| 9 | | 64.5 | | 6 | 4 | 3 | : | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 900 | | 65.8 | | 70.3 | 76.1 | 76.1 | 78.7 | 80.0 | 80.0 | 81.3 | 81.3 | 81.3 | | - | 81.3 | 81.3 |
| 900 | | 0.69 | | 3 | | 6 | - | 3. | | * | | | | | | ; |
| 3000 | | 72.9 | 74.2 | - | | 83.9 | 86.5 | 87.7 | | • | 6 | 89.0 | 6 | 6 | | 89.0 |
| 900 | | 74.8 | | | | | | 0 | | - | | 9116 | | | 91.6 | |
| 2000 | | 77.4 | | 2 | 9.0 | | - | | | ; | ; | * | + | * | ; | |
| 908 | | 17.4 | | 2 | 9.0 | | : | | | | 94.8 | | | | | |
| 200 | | 19.4 | | 8 | | | | | 96.1 | - | | - | 8 | 98.1 | 8 | |
| 900 | | 19.4 | | 5 | 1.6 | | 3 | 0 | | - | 4.16 | | 8 | | | |
| 8 | | 19.4 | | | 1.6 | | 94.2 | | 96.1 | | - | | | 98.1 | 98.1 | |
| 8 | | 19.4 | | | 1.6 | | ; | | 96.1 | | 4.16 | | | | 8 | |
| 8 | | 19.4 | | | 1.6 | | 94.2 | | | | | 98.7 | 4.66 | 4.66 | 4.66 | 4.66 |
| 200 | | 79.4 | | - | 1.6 | | | 8.96 | 96.8 | | | | | 4.66 | 4.66 | 40.66 |
| 8 | | 19.4 | | 3 | 1:0 | | | | 8.96 | w | 7.86 | | 4.66 | 4.66 | 4.66 | 4.66 |
| 8 | | 79.4 | | 5 | 1.6 | | 3 | | 8.96 | | | 8 | 6 | | | 0.001 |
| 8 | | 19.4 | | 85.2 | 9:1 | | 34.5 | 8.96 | | | 7.86 | | 6 | 6 | | |
| 98 | | 19.4 | | 5 | 1.6 | | 3 | 8.96 | 96.8 | 98.1 | 7.86 | 80 | | | 0 | 0000 |
| 38 | 35.5 | 19.4 | 81.9 | 85.2 | 9 | 91.6 | 94.2 | | | • | 7.86 | 98.7 | 4.66 | 4.66 | 100.0 | 0.001 |
| 8 | | 19.4 | | 85.2 | 1.6 | | | 96.8 | 8.96 | 1.86 | 98.7 | | | 4.66 | | 0000 |
| | | - | | - | | | | | , | | | (| | | | |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

73-77

SANTA ANA, CALIFORNIA

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

1 \$ 1) SEROS LAN 16

83.2 85.2 74.8 83.2 81.3 81.3 85.2 74.8

CEILING VERSUS VISIBILITY

89.0 92.3 8.96 85.8 8.46 8.96 0.68 92.3 8.46 8.96 85.8 8.96

92.3 8.76

92.3 94.8 8.96

> 8.46 96.8 8.96 4.26

2.76 1.96 1.96

2.46

92.3

89.7

88.4 89.7

78.1 84.5

13.6

36.1

3500

AI AI

0

74.8 81.3

6.0

34.8

96.1

94.2 94.2 8.56 8.46

91.0

82.6 89.0 82.6 89.0

78.1

36.1

2000 500

AIAI AI AI

78.1 78.7 18.7

80.7 87.1

1.9

36.1 36.1 36.1

0.68 91.6 92.3

98.4

0

98.1 98.7 97.4 41.4 7.86 98.1 1.86

99.4100.0100.010.0010.06 99.4100.0100.0100.0100.0 18.7 4.66

DIRNAVOCEANMET

0.00

93114

0

0

0

0

0

200

1166

0

٨١

2 5/16

٨I

*

AI

Al

VISIBILITY (STATUTE MILES)

0

4.61

79.4 79.4 79.4

81.3 81.3 81.3

81.3 83.2

81.3

81.3

80.7 80.7

78.1 78.7 78.7

74.2

81.3

78.7 78.7

76.8 76.8

76.1

67.7 72.3

0.69 0.69

64.5

32.9

000 000 000

74.2 74.2

83.2

83.2

82.6 82.6 83.2 84.5 84.5 85.2

80.7

70.3 75.5 79.4 80.7

80.7

19.4

10.3

33.9 64.5

33.0 65.8

2000 2000 4500

82.6 82.6

81.3

77.4

71.6

33.6 67.1

33.6 67.1

11.6 77.4

72.3 78.1

33.6 67.1

33.6

77.4

11.0

81.3 82.5 82.6

82.6

85.2

85.2

14.8

14.8

74.8

14.8

74.2

72.3 72.3

71.6

67.7

58.7

31.0 32.9

VI VI 16000

31.0

63.2 67.7

1.69

60.7 65.2

31.6

12000

71.0 71.6

N)

4

9

Al

(FEET)

NO CEILING

74.8

74.2 74.2

74.2

74.8

81.3

81.3 83.2 83.2

0

0

85.2 85.2 85.2 85.2

85.2

85.8

85.2

85.2 86.4 91.6

83.2

81.3 82.6 82.6

85.2 86.5 86.3

84.5 84.5 85.2

85.2 0.68

85.2

85.2

85.8 89.0 89.0 89.0 85.8 92.3

8.76 96.8 96.8

8.96 8.96 97.4 97.4

8.96 4.16

4.16 1.86 1.86

97.4 98.1

8.96

8.96 4.76

8.96 9.96 4.16 4.16

1 . 96

92.9 94.2

98.7 98.1

> 7.86 7.86

98.1 98.7

4.16

95.5

2.46 94.2 8.46

90.3 83.9 90.3 91.0

19.4 4.6/

36.1

900

ALAI

36.1

36.1

93.6 94.

93.6

89.7 89.7

83.2

83.2

98.1

98.1 98.1 98.7

96.1 1.96

96

1.96

96.1 96.1

8.46

91.0

84.5 64.5

4.61

36.1

88

8.76

91.0

19.4

36.1 36.1 36.1

88 88 88

36.1

98.7

7.86

98.7 98.1

96.8

94.8 96.1

84.5 84.5

19.4

36.1

36.1 36.1

80

96.1

155

TOTAL NUMBER OF OBSERVATIONS

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

٨١

2

(FEET)

NO CEILING

20000 X

VISIBILITY (STATUTE MILES)

6

2

20

93114

0

0

T S T) SUNON

78.7 VI VI 73.6 74.8 74.8 74.8 74.8 76.1 76.8 76.8 76.8 76.1 76.1 76.8 76.8 ≥ 5/16 ۸۱ 76.1 * 73.6 7

0

1.69.7 80.0 80.0 80.0 80.0 80.0 80.0 81.9 85.2 87.7 89.7 83.9 83.9 80.0 80.0 80.0 80.0 80.0 80.0 80.0 85.2 87.7 81.9 83.9 83.9 76.1 16.8 90.0 78.7

80.08 0.08

80.0 80.0 80.0

76.8 76.8 76.8 76.8 76.8 76.8

78.7 78.7 78.7

76.1

76.1

76.1 76.1 76.1

71.6 73.6 75.5

19.4 69.7

Y 1400

72.9

69.0 71.0

9009

74.2

0

CEILING VERSUS VISIBILITY

80.0 80.0 80.0 80.0 0

80.0

80.0 83.9

81.9

0

89.7 9106 9106

85.2 87.7

7 87.7

85.2 85.2 89.7 89.7

55.5 86.5 87.1

21.3 77.4 80.0 82.6 84.5

76.8 78.7 81.3

21.3

450 60 60 60 3000 2000 1500 980

AI AI

AI AI AI AI AI AI

20.7 75.5

89.7

81.9 81.9 81.9

80.0

80.0

77.4

75.5

20.0

2000

AI AI

20.0 73.6 75.5 73.6

80.0

19.4

19.4 19.4 70.4 81.3 83.2

77.4 77.4

20.0 72.3 74.2

2000

AI A

0

72.3 74.2

20.0 70.3

900

AI AI

70.3 72.3

81.9

83.9 83.9

83.9 83.9

Q

2.46 95.5

92.3

91.6 91.6 91.6 92.3 94.2 96.1 95.5 95.5 95.5 95.5 95.5 92.3 92.3 94.2 94.2 1.96 1.96 1.68 83.9 83.9 91.6 92.3 89.7 89.7

97.4 97.4 97.4 97.4 97.4 97.4 97.4 96.8 96.8 8.96 8.96 2.46 2.46 1.96 92.3 92.3 92.3 92.3 97.4 8.96 96.1

97.4

96.8 97.4

96.1

95.5

95.5 96.

92.3

0.68

21.3 86.5

88

96.8 97.4

96.1

89.0 92.3

21.3 86.5

88 88

89.0

1.3 86.5 21.3 86.5

92.3 95.5 96.1

86.5 89.0 92.3

96.8 97.4

96.8 97.4

96.8

96.8 96.8

1.96

94.8 95.5 96.1 96.1

1.3 86.5 89.0 92.3

85.8

94.2

88.4 91.0 91.6 92.3 92.3 90.3 90.3 90.3 92.9 93.6 94.2 94.2 94.2 91.6 95.5 95.5

21.3 82.6 85.2 88.4

87.7 90.3 91.0

85.2

82.6

21.3 82.6

38.4 89.0

83.5 85.8

97.4

96.8

96.1

97.4 98.1 98. 4.16

96.8 97.4 97.4

8.96

1000

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

80

88

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANAS CALIFORNIA

5703

(

0

E

CEILING VERSUS VISIBILITY

JAN

155

-

97.4

4.16

97.4

4.16

1.96

93.6

92.3

6.26

6.26

91.0

90.3

80.7 83.9 86.5

18.1

AI AI

81.3

78.7

18.1

8.56 1.96

93.6

0.68

82.6 86.5

94.2

93.6

87.1 89.7

83.2 83.2

18.7 8.7

AI AI

8.46 1.96

89.7

89.7

89.7

40.6 97.4

4.16

96.1

1.96

96.1

1.96

1.96

96

96. 96.1

96. 96.

> 96.1 1.96 1.06

196

96.1

1.96

34.5

89.7

87.1

83.2

18.7 8.

88

AI AI

87.1

83.2

89.7

87.1

18.7

88

AI AI

89.7

80.1

18.7 18.

88

AI AI AI AI

80

1.96

96.1

1096

1.96 96.1

2.46 94.2

93.6

93.6

89.7 89.7

87.1

18.7

88

ALAI

96.1 96.1

96.1

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

O 0

0

0

0

CEILING VERSUS VISIBILITY JAN 78

76.8 80.0 76.8

91.0

016 93.6

91.0 91.0

91.0

91.0

89.

89.7

86.4 89.7

78.7 81.3 83.9 87.7

85.2

82.6 83.2

85.6 85.2

82.6

80.7

74.8

1001 1001

4500 3500

AI AI

9000

83.2 86.5

83.5

81.9

85.2 86.5

83.2

80.0

77.4

74.8

16.8

AI AI

76.1

17.4 18.1

> 2000 1500 1000

AI AI

81.3

78.1

75.5

12.9

80.7

80.7 81.3

80.7

19.4 81.3

78.7

78.5 77.4

72.9

13.6

71.0

0.69 71.0 81.3

0.08

19.4

1001

13.0

81.3

86.5

86.5

86.5

86.5

87.7

91.0

91.0 93.6

76.1

80.0 83.9 81.9

> 19.4 76.8

> > 78.1

78.1

78.1

76.8

72.9 76.1

70.3

4.89

15.5

8000 7000

AI AI ALAI

78.7

78.7

78.7 76.1

76.1

76.1

0.08

76.1

76.1 81.9

19.4 76.1 16.8 75.5 0008

76.1

74.8

74.8

74.2

74.2 74.8

74.2 74.2 15.5 75.5

72.00

72.3

72.9

73.6

68.4

66.5

76.0

75.5

75.5 76.1

74.2

70.3

66.5

66.5

9000

AI AI

65.8

15.5

1,1000

Al ٨١

٨١

Y 1%

7 7

AI

Al

٨I

Al

2

A

(FEET)

NO CEILING

× 20000

VISIBILITY (STATUTE MILES)

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

SANTA ANA, CALIFORNIA

93114

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) SANTA ANA, CALIFORNIA

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | NTUTE MILE | (5) | | | | | | |
|---|-------------|-------|---------|-------|---------|-------|------|----------------------------|------------|---------|---------|-------|-------|--------|------|-------|
| (100) | 5 1 | 9 | % Al | 4 | M Al | Y 2% | 14 | ¥1 | ¥1 | - AI | % Al | * | × . | ≥ 5/16 | | 0 11 |
| OCELING | 22.6 | | 60.7 | 62.8 | 65.3 | 65.7 | 9 | 61.3 | 67.3 | 9.10 | 1.19 | 67.1 | 9 | 61.9 | 1.89 | 68.2 |
| > 20000 | 23.1 | | 63.9 | 66.1 | | 69.1 | | 71.1 | 71.1 | 71.5 | 71.6 | 9. | 71.8 | | | 72.2 |
| 00001 | - | 1.7 | 64.3 | 666.5 | 69.1 | 60.5 | 0 | - | 71.5 | 71.9 | 72.0 | 72.0 | | 72.3 | | 72.6 |
| 9009 | 33.2 | . 3 | 4.49 | 9.99 | 2.69 | 9.69 | 70.7 | 71.5 | 71.5 | 71.9 | 72.1 | | 72.3 | | 72.5 | 72.7 |
| 1 | 100 | 3.7 | 65.2 | | 70.1 | 6.01 | | 72.6 | 72.6 | 73.0 | 73.2 | 73.2 | 13.3 | | 13.6 | 73.1 |
| 12000 | 24.0 | 80 | 4.99 | | 71.5 | 71.9 | 73.2 | 74.0 | | 74.4 | 74.7 | 74.7 | 14.8 | 14.9 | 75.1 | 75.2 |
| | 3 | 3 | 67.5 | 6.69 | 72.8 | 13.2 | | | 75.5 | 75.9 | 1091 | 1601 | 16.3 | 16.4 | 76.5 | 76.7 |
| 8 | 24.5 | 68.2 | 67.7 | | 73.1 | 73.5 | 74.9 | 75.7 | 75.7 | 76.1 | 76.4 | 16.4 | 76.5 | 16.6 | 76.8 | 16.9 |
| | 3 | 66.0 | 68.6 | 71. | 74.0 | | 78.9 | 76.7 | | 77.1 | 77.3 | 77.3 | 77.5 | | 77.7 | 77.9 |
| 88 | 24.8 | 67.0 | 9.69 | 72.1 | 75.1 | 15.6 | 77.1 | 77.9 | 77.9 | 78.3 | 78.6 | 78.6 | 78.7 | 78.8 | 0.64 | 19.1 |
| | | 67.6 | 70.2 | 1 | | | 1 | 78.6 | | 79.0 | 78.5 | 2.61 | 4.64 | 19.4 | 19.6 | 19.8 |
| 200 | 25.2 | 68.4 | 71.0 | 73.6 | 76.5 | | 78.7 | 79.5 | 79.5 | 19.9 | 80.2 | 80.2 | 1 | 80.4 | 80.6 | 80.7 |
| | | 69.0 | 9.11 | 3 | Г | 17. | 79.4 | 80.2 | 80.2 | 80.6 | 80.8 | 80.8 | 0 | 81.1 | 81.2 | 81.4 |
| 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 25.7 | 6.69 | 72.6 | | 78.3 | 78.9 | 200 | 3 | 81.3 | | 82.0 | 82.0 | 82.2 | 82.3 | 82.4 | 82.6 |
| | 26.3 | 71.8 | 74.8 | 1 | | | 82.8 | 9 | 83.6 | | 84.4 | 84.4 | 4.5 | 84.6 | 84.8 | 6.48 |
| 300 | 10 | 74.3 | 77.3 | - | 83.3 | | 85.7 | | 86.5 | 86.9 | 87.2 | 87.2 | 2 | 87.4 | 87.6 | 87.7 |
| | 10 | 76.0 | | 81. | 85.0 | 85.6 | 87.3 | 88.2 | 88.2 | 88.7 | 89.0 | 89.0 | 7. | 89.5 | 89.4 | 89.5 |
| 2000 10 10 | de consiste | 78.0 | 8 | 9 | 87.6 | 83 | | 8.06 | 8.06 | 91.3 | 91.5 | 91.5 | ~ | 91.8 | 6116 | 92.1 |
| 1 | 10 | 78.1 | | 1 | 87.7 | 88.3 | 1 | 91.0 | 91.0 | | 41.7 | 91.7 | 6 | 91.9 | 92.1 | 92.3 |
| 8 8 | 20 | 80.0 | 83.6 | | | 90.06 | 95.4 | 93.4 | 43.4 | | 1.46 | 94.1 | 4 | 4.46 | 94.6 | 94.8 |
| | IN | 80.6 | | , | 16 | 91. | 93.4 | 5.46 | 4.76 | | 1.56 | 95.1 | u | 42.4 | 92.6 | 95.7 |
| 100 | 28.2 | 80.8 | 84.8 | 87.9 | 4.16 | | | 94.8 | 6.46 | 95.4 | 95.7 | 45.1 | - | 0.96 | 3006 | 4.96 |
| 4 | 28.2 | 80.8 | 80 | 87.9 | 91.5 | | 0.96 | 6.46 | 95.0 | 65.5 | 1.56 | 45.7 | 0 | 1.96 | 6.96 | 6.96 |
| 88 | 28.2 | 80.8 | 0 | 8 | 91.6 | 92.2 | | 89.5 | 95.3 | 95.8 | 1.96 | 1 .96 | 4.96 | 96.5 | 96.8 | 6.96 |
| 1 | 28.2 | 80.8 | 84.9 | 68.0 | 91.6 | 92.3 | 2.46 | 65.3 | 95.4 | 6.56 | 2.96 | . 2 | 6.96 | 36.5 | 6.96 | 0.16 |
| 8 | 28.2 | 80.9 | 85.0 | 88.1 | 91.7 | 92.3 | | 4.56 | 95.5 | 0.96 | 60.3 | .3 | 60.96 | 9096 | 6.96 | 97.1 |
| 1 | 8 | 80.9 | 85.0 | 88.1 | 61.6 | | 3 | 92.6 | 95.7 | 96.1 | 96.5 | 6.96 | 6.96 | 6.96 | 97.3 | 61.6 |
| 88 | 8 | 80.9 | 85.0 | 88.1 | 6116 | 92. | | 45.7 | | 4.96 | 1.96 | 1.96 | 97.1 | 97.2 | 97.7 | 98.0 |
| 1 | 28.2 | 80.9 | 85.0 | 88.1 | 61.6 | 95.6 | . 76 | 45.7 | 6.56 | | 1.96 | 1.96 | 2.16 | 97.3 | 1.86 | 4986 |
| 8 | 28.2 | 80.9 | 85.0 | 83.1 | 6116 | 95.6 | 9.46 | - | • | | 1.96 | 1.96 | 2.16 | 6.16 | | 99.3 |
| 1 | 28.2 | 60.08 | 3 | 88.1 | | 92. | 9.56 | 62.1 | 6.56 | | 100 | 100 | 2.16 | | • | 9366 |
| 1 11 | 28.2 | 80.9 | 85.0 | | 61.6 | 95.6 | | 45.7 | | 96.4 | 1.96 | 1.96 | 91.2 | 97.3 | 98.3 | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

1240

SOMS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93114

=

156

5703 CEILING VERSUS VISIBILITY JAN 78

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

T S T) SENON FEB

0

13.8

76.6

78.7

9.9/

79.4 79.4

79.4 79.4 79.4 6.08

83.0 83.0

78.7 79.4 82.3 83.0 80.1

1.06 92.9

95.0 95.0 95.0 95.0

92.9 92.9 92.9

92.2 92.9 93.6 95.0

91.5

95.0 95.0 95.0

93.6

78.7 86.5 86.5 90.1 91.5

88 88

86.5 90.1

86.5

78.0

78.7 86.5 87.2 91.5

88

80

88

90.1

90.1

1006

90.1

1.06 90.1

89.4 90.1

86.5

83.0

AI AI

83.0

85.8 85.8 85.8

78.9 79.4 80.9

4.01

AI AI

73.1

68.1 68.1 68.1

9000

4500 3000 2000 500

0.99 0.90

800 7000

V 14 12000 900 AI AI

9

61.7 66.7 66.7 69.5 61.7 65.3 61.7

VI VI 00081 00081 00081 ¥ 20000

VISIBILITY (STATUTE MILES)

93114 STATION

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-77 SANTA ANA, CALIFORNIA

VISIBILITY (STATUTE MILES)

HOURS (LST FEB MONTH 40

Z

NWSD, Ashev

0.19 61.0

61.0

61.0

61.0 0.19

61.0

01.0 0.19

61.0

۸I

٨١

2

(FEET)

0.10

61.7

61.0

61.0 61.0 61.0

61.0

61.0

61.0

56.7 60.3

61.0

54.6 55.3 57.5

19.5

19.5

VI VI 00081 00081 00081 Y 14000

7.61

IO CEILING

PAR

great prese

This

equal

CEILING VERSUS VISIBILITY 72.3 69.5 70.2

> 65.3 0.99 66.7

0.99 66.7 4.19 68.1

0.99 0.99 0.99

0.99

0.99 0.99 0.99

19.9 58.2 59.6 61.7 65.3

59.6 61.0 63.1 66.7

81.6

81.6

81.6 81.6

81.6 84.4

81.6 84.4

81.6 81.6 81.5 81.6 81.6

81.6 81.6 81.6

80.9

76.6 75.9 79.4

73.8

71.6

21.3

2000 500 1000 88 808

73.1 75.2

21.3

84.4 85.1 85.1

83.7

85.1

6.08

74.5 77.3

77.3 80.9

74.5

83.0

86.5

76.6 76.6

16.6

16.6 76.6

73.8

73.8 73.8 7

70.9 70.9

70.9

6.07

10.9 68.1

70.5

66.7

62.4 64.5

20.0

70.9

8.89

68.8

68.8

68.1

68.1

68.8

68.89

6.01 40.0

81.6

81.6 84.4 85.1 87.2 87.2

81.6

91.6 85.1

86.5

85.1 85.1

87.2

88.7

87.2

87.2

87.2

85.1 85.1 8 81.6 81.6

88.7

87.2

88.7

88.7 90.1

87.9 88.7 88.7

86.5

81.6

77.3

74.5

74.5

75.2

AI AI

86.5 87.2

88.7 91.5

8.06

90.1 90.8 88.7 88,7

1.06

90.1

89.4 90.1

86.5

77.3 81.6

90.06

8.06

90.1 90.8

82.3

75.2

8 9

90.8

8.06

72.3 78.0 83.0 83.0 85.8

73.8

40.0 76.6

40.0 73.8

40.07 68.1 8.89

> 4.07 6.01 73.8

68.1

4.19 8.89 10.9

4.19

67.4 67.4 4.19 68.1 8.89

67.4 67.4 67.4 67.4

67.4 67.4 67.4 67.4 67.4

67.4

1.99

63.1

53.6 61.0

20.6

8000 7000 \$000 \$000 4500 4000 3500

0

0

50.6 20.02 20.02

900

AI AI AI AI ALAI AI AI

67.4 68.1

59.6 61.7 63.8

20.6 60.3 62.4 64.5

66.7

4.19

68.1

68.1

Due to occur bilit ferri refer static of the on pa U. S. Januar to Jar for th includ Begin ceilir sky co

> 90.1

92.9

92.2

6.16

4.60

88.7

79.4

80

88

141

TOTAL NUMBER OF OBSERVATIONS

SOMS DIRNAVOCEANMET

93114 STATION

MANAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.7 HOURS (1.5.7.) FEB

E

| SN H | | | | | | | VISIV | BILITY (ST. | VISIBILITY (STATUTE MILES) | S | | | | | | |
|------------|-------|------|------|----------|------|------|-------|-------------|----------------------------|------|------|------|------|--------|------|------|
| (FEET) | VI 05 | 9 11 | S AI | 4 | e Al | ≥ 2% | N N | ¥1 ¥ | ¥1 YI | - AI | % AI | * 1 | Z AI | ≥ 5/16 | × AI | O AI |
| NO CEILING | | 80 | - | 2 | 3. | 151 | (4) | 6 | 50 | 4 | 4 | 4 | 4. | | : | 34.6 |
| > 20000 | 29.8 | 53.2 | 26.0 | 58.2 | 58.9 | 58.9 | 29.6 | 9.69 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 6009 | 60.3 | 60.3 |
| 1 5 | 6 | 3. | 9 | | | 20 | | 6 | | ò | | | | 0 | | |
| 141 | | 10 | ; | 60 | 8 | 00 | 6 | 6 | 6 | 0 | 0 | 6009 | 0 | 6003 | | 60.3 |
| | 6 | * | • | 20 | | 5 | - | - | | - | | - | - | • | | 61.7 |
| > 12000 | 0 | 10 | | 6 | 0 | 0 | | - | - | 2 | 2 | 4.20 | | 62.4 | | 62.4 |
| 1 | 0 | * | | 0 | - | | 2 | 2 | | 50 | 3 | - | 0 | - | | 63.8 |
| 800 | 0 | 4 | 00 | 0 | : | 61.0 | 2. | 2. | 2 | • | 3. | 63.1 | * | 63.1 | | 63.8 |
| 1 | 2 | | | 03 | 4 | 4. | | 9 | | 003 | 33 | 20 | 8 | • | | 68.8 |
| 141 | 2 | 0 | 2. | * | 5 | 10 | - | 1. | | 83 | 8 | 00 | * | | | 69.5 |
| 1 | 3 | 00 | | 5 | | 9 | 0 | | | 6 | 6 | 6 | | | | 0 |
| 1 11 | 3 | 6 | | .0 | | 9 | 30 | 8 | 6 | 0 | 0 | 0 | 0 | 70.2 | | 0 |
| 1 | 3. | 0 | : | 9 | | | 6 | 6 | | 0 | 0 | .0 | 0 | | | - |
| 1 1 | 4 | - | | 8 | 00 | 8 | | 0 | - | 2 | | 2 | 2. | ~ | | 73.1 |
| 1 | | 2 | 9 | * 100 | 5 | 0 | - | - | 2. | | 3. | | 2 | | | |
| 1 1 | 4 | * | 90 | 0 | | 0 | 10 | 3 | 3 | . 4 | 4 | | * | | | 75.2 |
| 1 | * | 9 | | 2. | 3 | 3 | 5 | 5 | | | - | | - | | | |
| 7000 | TIL. | œ | | . 4 | 75.2 | 75.2 | 7 | 1. | 8 | ò | 80.1 | 80.1 | 80.1 | 80.1 | 80.9 | 6.08 |
| 1 | un. | 00 | 3 | 0 | 3 | 5 | | 8 | 00 | 0 | 0 | 0 | 0 | 0 | | 81.6 |
| 1500 | | 2 | \$ | 00 | 0 | - | 83.7 | 3 | * | | • | ; | 0 | • | | |
| 1 | 0 | 2 | | 00 | 0 | - | * | * | 3 | - | | - | - | - | | |
| 1000 | 3 | 3 | 77.3 | . 6 | 0 | 2 | 85.8 | 3 | | | 8 | | 8 | | | 89.4 |
| | 5 | 00 | 78.0 | | 2. | | 7 | - | 1. | 0 | 0 | | 0 | | | |
| 8 | 3 | 6 | 78.0 | | 3 | | 88.7 | 8 | 4.68 | - | - | 91.5 | - | • | | |
| 1 | 5 | 60 | 78.0 | 0 | | | 88.7 | 88.7 | 5 | : | - | | - | - | | 92.2 |
| 8 | 5 | 3 | 78.0 | 80.1 | 3 | | | 88.7 | 4.68 | : | 91.5 | | - | 91.5 | | |
| | 3 | 100 | 78.0 | .0 | 3 | 85.1 | | 88.7 | 6 | - | - | | 5.16 | • | | |
| 141 | 5 | 100 | | 80.1 | 83.0 | | | 88.7 | 89.4 | 91.5 | - | 91.5 | - | 91.5 | 92.2 | 92.2 |
| | 0 | 3. | | | | | 88.7 | 88.7 | 89.4 | • | | | 61.6 | 91.5 | 2 | 92.2 |
| 38 | 2 | 3 | 78.0 | 80.1 | 3 | | | 88.7 | 89.4 | - | : | 91.5 | 61.5 | 91.5 | 3 | 95.0 |
| | 0 | 3 | 78.0 | 80.1 | | 85.1 | 88.7 | 88.7 | 89.4 | - | 61.5 | | 91.5 | 92.2 | ; | 6.16 |
| ٨١ | 2 | | 78.0 | | 3 | | | 88.7 | 89.4 | • | | | 91.5 | 92.2 | ; | 0.00 |

TOTAL NUMBER OF OBSERVATIONS

141

....

38

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

73-77

FEB

| | | | | PERCEI | PERCENTAGE (FROM I | INTAGE FREQUE | UENC ILY OF | Y OF O | FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS) | RENCI | ш | | | | 10 HOURS CE | 1 |
|------------|------|---------|------|--------|-----------------------|---------------|----------------|--------------|--|-------|---------|------|------|--------|----------------|------|
| CEILING | | | | | | | VIS | IBILITY (ST. | VISIBILITY (STATUTE MILES) | ES) | | | | | | |
| (FEET) | 2 | 9 Al | 8 | 4 | AI | ₹ 2% | 7 7 | V1 7% | ¥1 ¥ | Ā | % Al | ¥ ∧I | Z AI | ≥ 5/16 | AI AI | 0 11 |
| NO CEILING | 21. | 2. | 44.7 | 48.9 | 51.1 | 51.8 | 3. | 53.9 | 53.9 | | 54.0 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| × 20000 | N | 42.4 | 47.5 | 53.2 | 55.3 | 56.0 | 57.5 | 58.2 | • | 58.9 | | 8 | | • | 58.9 | 58.9 |
| V 18000 | 3 | 5 | 0 | 53.9 | 56.0 | 56.7 | | 58.9 | 33 | | 89.6 | 29.6 | 59.6 | 965 | 59.6 | 39.6 |
| 14000 | 23.4 | 45.4 | 47.5 | 53.9 | 0 | 56.7 | 00 | 58.9 | 58.9 | 59.6 | 89.6 | 29.6 | 59.6 | 29.6 | 59.0 | 59.6 |
| | , | 9 | 8 | 54.6 | 56.7 | 57.5 | | 59.6 | 6 | 6009 | 60.3 | 6009 | 60.3 | 6003 | 60.3 | 60.3 |
| 2 12000 | 24.8 | 0 | 49.7 | 56.0 | 8 | 59.6 | 0.19 | 61.7 | - | 62.4 | 62.4 | 9.29 | | 62.4 | 62.4 | 4.29 |
| 1 | 5 | | - | 57.5 | 39.6 | 010 | 63.1 | 63.6 | 63.8 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| 0006 | 5 | | 51.1 | 57.5 | 29.6 | 61.0 | 63.1 | 63.8 | | 64.5 | 64.5 | 04.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| 1 | 5 | 8 | - | 58.5 | 0 | 01. | | 64.5 | 3 | | 65.3 | 65.3 | 65.3 | | 65.3 | 65.3 |
| 1 7 1000 | 3 | | 55.5 | 58.9 | 61.0 | 4.29 | 64.5 | 65.3 | 65.3 | 0.99 | | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 1 | 3 | 8 | 55.5 | 58.0 | - | 62.4 | 4 | 65.3 | 65.3 | | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 2000 | 9 | 0 | | 90.66 | 61.7 | 63.1 | 65.3 | | 0.99 | 66.7 | | 1.99 | | 66.7 | 2.99 | 66.7 |
| 1 | 9 | 6 | 3 | 59.6 | - | 63.1 | 3 | 0.99 | 0.99 | | | 1.99 | | 1.99 | 1.99 | 66.7 |
| 0007 | - | 3 | 56.7 | 63.1 | | 1.99 | 69.8 | | 69.5 | 70.2 | 70.5 | 70.2 | 70.2 | 70.5 | 70.5 | 70.2 |
| 1 | 6 | 5 | * | 65.3 | 67.4 | 60 59 | - | 72.3 | | | | 73.1 | | 73.1 | 73.1 | 73.1 |
| 3000 | 0 | - | 62.4 | 8.89 | 0 | 73.1 | 75.2 | 5 | | 76.6 | 16.6 | 16.6 | 76.6 | 76.6 | 76.6 | 16.6 |
| 1 | - | 0 | 0 | 73.1 | 75.9 | 18.1 | 80.9 | 81.6 | | 2. | | 82.3 | | 82.3 | 82.3 | 82.3 |
| 7 2000 | ~ | .9 | - | 19.4 | | 87.2 | 89.4 | 90.1 | 90.1 | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 90.8 | 90.8 |
| 1 | 2 | 0 | - | 79.4 | 83.7 | 67.2 | 6 | 90.1 | | 8.06 | 90.06 | 8.06 | 8006 | 8006 | 90.8 | 90.8 |
| 1 300 | N | 8 | 74.5 | 82.3 | 86.5 | 90.1 | 92.2 | 65.6 | | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| | 2 | 00 | | 82.3 | 86.5 | 90.1 | 2 | 92.9 | 95.9 | 93.6 | 93.0 | 93.6 | 93.0 | 93.6 | 93.6 | 93.6 |
| 1 11 | | | 75.2 | 83.0 | 87.2 | 91.5 | . 4 | 0.56 | | 48.7 | 95.7 | 42.1 | 95.7 | 95.7 | 45.7 | 95.7 |
| | 2 | 6 | 2 | 83.0 | - | - | 5.76 | 95.0 | 5 | | 45.7 | 45.7 | 1.56 | 45.7 | 95.7 | 95.7 |
| 8 | 3 | 6 | 3 | 83.0 | 87.2 | 91.5 | | 0.56 | Š | 7.56 | 95.7 | 1.56 | 95.7 | 1.56 | 95.7 | 95.7 |
| | 7 | 6 | 78.2 | 83.0 | 2.10 | 91.5 | | 0.56 | 95.0 | 95.7 | 95.7 | 1.56 | 45.7 | 95.7 | 45.7 | 95.7 |
| 8 | 2 | 6 | 3 | 83.0 | - | 51.5 | 95.0 | 45.7 | 5 | 86.5 | 96.5 | 6.96 | 96.5 | 96.5 | 96.5 | 96.5 |
| | | | 73.2 | 83.0 | 87.2 | - | 0.56 | 95.7 | | 96.5 | | 6.96 | 96.5 | 96.5 | 60.96 | 96.5 |
| VI 84 | 2 | 6 | 2 | 63.0 | 87.5 | 91.5 | 95.0 | 45.7 | 95.7 | 96.5 | 96.5 | 5000 | 97.2 | 97.2 | 97.2 | 97.2 |
| | 2. | 0 | 75.2 | 83.0 | - | 91.5 | 95.0 | 95.7 | | 96.5 | 3006 | 6.96 | 6.16 | 61.6 | 6.16 | 97.9 |
| 38 | | 69.5 | | 83.0 | 87.2 | 91.5 | 95.0 | 95.7 | 95.7 | 96.5 | 30.5 | 5.96 | 6.16 | 61.6 | 98.0 | 86.3 |
| | N | | | 3. | - | 91.5 | • | | 95.7 | 96.5 | 6.96 | 36.5 | 61.6 | 6.46 | | 99.3 |
| O IAI | 2 | 6 | 75.2 | 83.0 | 87.2 | 91.5 | 95.0 | 95.7 | 45.7 | 96.5 | • | 36.5 | 6.16 | 98.6 | 99.3 | 0000 |

TOTAL NUMBER OF OBSERVATIONS

141

SMOS DIRNAVOCEANMET

93114

SANTA ANA, CALIFORNIA

13 10 H

E

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | 0 | | | | 5.3 | 0.9 | 7.4 | 8.89 | 8.8 | | | | 2.3 | 3.8 | 16.0 | 78.7 | 3.7 | 4.9 | 2.2 | 3.6 | 96.5 | 7.2 | 98.6 | 98.8 | 6.6 | 0.0 | 0.00 | 0000 | 0.00 | 0.0 | 0.0 | 000 | 1 |
|----------------------------|----------|---------|-------|-------|-------|------|-------|------|------|-----|------|-------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|---|
| | | 2 5 | 3 6 | 3 6 | 3 | 9 | 4 | 8 | 8 | | | 1 2 | 3 7 | 8 | 1 9 | 1 | 7 8 | 2 | | 6 9 | 5 | 12 9 | 6 9 | 6 9 | 3 | 0100 | 010 | 010 | 010 | 010 | 0 0 | 000 | 1 |
| | VI % | 58 | 65 | 65 | 65 | 99 | 67 | 89 | 68. | 66 | 69 | 10. | 72. | 13. | 76. | 8 | 83 | 8 | 92. | 63 | 96 | 97 | 86 | 86 | 66 | 001 | 100 | 001 | 100 | 000 | 001 | 000 | |
| | 5/16 | 8.2 | 2.3 | 5.3 | 5.3 | 0.9 | 1.4 | 8.8 | 8.8 | 6.6 | 6.5 | 0.2 | | 3.8 | 9.9 | 8.7 | 3.7 | 6. | 2.5 | 3.6 | 6.5 | 7.2 | 8.6 | | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 00 | |
| | Al | | 9 | 9 | | 9 0 | 4 | 8 6 | 8 | | 9 | | 2 | 8 | 91 9 | 7 78 | 7 | 1 | 2 92 | - | - | 2 97 | | - | 3 88 | 0010 | 0100 | 010 | 010 | | 2 | 000 | |
| | 11 | | | | 65 | | 67. | 68. | 68. | 69 | 69 | 0 | 72. | 13. | 16. | 18. | 83. | | 92. | | 96 | | 99. | 96 | 66 | 00 | 00 | 00 | .00 | 000 | 3 | 000 | |
| | * | 2. | • | • | .3 | • | * | | | | .5 | | .3 | | 9. | | | 6. | .2 | | | 2. | 9. | | • | | 10. | 10. | 10. | | • | 00 | 1 |
| | ٨١ | 2 | 0 | | 69 | | - | 0 | 0 | 0 | | | 12 | 1 | | 18 | 83 | 8 | 35 | | 96 | 6 | - | - | 66 | -1 | - | 100 | 100 | | 2 | 100 | |
| | % AI | 2.8 | 2 | 5.3 | | 0.99 | 7.4 | 8.8 | | 6 | 6 | | 2.3 | 3.8 | 9.9 | 18. | 83.7 | 87.9 | 92.2 | 33.6 | 6.96 | | 9.8 | | 99.3 | 0000 | 0.00 | 0000 | 00.0 | 000 | 000 | 000 | |
| | _ | _ | 3 6 | 3 6 | 3 6 | 0 | 4 | 8 | 8 | 5 6 | 5 | | 3 | 20 | 9 | - | - | | 2 | | 30 | 2 | 6 9 | - | 3 | - | 010 | 010 | 010 | - | 1 | 070 | 4 |
| (S) | AI | | 65 | 68 | 63 | 99 | 67 | 89 | 99 | 69 | 69 | 70, | 72 | 73 | 76 | 7.8 | 83 | 8 | 92 | 63 | 96 | 2.6 | 86 | 86 | 66 | 001 | 001 | 00 | 100 | 001 | 00 | 00 | |
| TE MIL | 7.1 | 1.5 | 4.5 | 4.5 | 4.5 | 5.3 | 6.7 | 8.1 | 8.1 | 8.8 | 8 | 3.5 | 1.6 | | 5.6 | 0.8 | 3.0 | | 1.5 | 5.2 | 5.7 | 0.5 | 4.6 | 6.1 | 8.6 | 9.3 | 6.3 | 6.6 | 6.3 | 6.0 | 2.5 | 9.9 | 1 |
| STATU | ٨١ | 7 5 | 8 | 9 9 | 0 | 5 6 | 0 | 9 | 9 | 1 0 | • | 9 | 2 | | 2 7 | - | 3 | | 0 | 5 3 | 6 0 | 1 3 | 6 2 | 0 | 5 | | 6 9 | 0 | 6 | 0 0 | | 0 0 | 1 |
| VISIBILITY (STATUTE MILES) | V1 % | | 63. | 63. | 63. | . 49 | 66. | 6 | 67. | 68 | | 68. | 70. | 12. | 75. | 71. | 82. | 9 | 0 | | 95. | 95. | 97. | | 97. | | 98 | | 98 | | | 98. | |
| VISI | 7 | 0 | | 7 . 5 | | 3.8 | | 1.0 | 1.5 | 5. | 1.4 | 8 . 1 | 2.0 | | 4.5 | 9.0 | | 3 . 8 | 1. | . 5 | 4.3 | 9.0 | | | 2. | 6. | 6. | 6. | 6. | | • | 00 | I |
| | ٨١ | 3 56 | 63 | 63 | 6 63 | 9 | 69 | 99 | 5 66 | 9 | 3 6 | 196 | 102 | - | 3 74 | 76 | 4 81 | 000 | 6 | C | 2 9 | 6 | 3 96 | 6 | 16 0 | 6 | 161 | 6 | 6 | 6 | | 00 | 1 |
| | ≥ 2% | 5 | 61.0 | 0.19 | 61.0 | 61. | 63. | 64 | 64. | 65. | in | | 89 | 6 | 72. | | 19. | - | - | | 2 | | * | * | 10 | | 95. | 95. | 95. | 95 | | 200 | |
| | е . | 6.1 | | 9. | 9. | .3 | . 7 | 7: | 7. | 30 | | 8 | 0. | 4. | 2.5 | 3 | 9.0 | 6.0 | | | 4. | -: | .5 | 1.5 | | | 6. | | 6. | 0.0 | | 00 | |
| | ۸۱ | 1 53 | 58 | 68 / | 8 | 09 | 61 | 63 | 3 63 | 63 | 63 | 69 0 | 99 | 0 | 4 70 | 12 | 8 76 | 00 | 3 85 | 36 | 5 89 | 2 90 | 16 6 | 0 | 6 92 | 26 6 | 26 6 | 26 6 | 6 92 | | - | 92 | 1 |
| | VI. | 51.1 | . 95 | 99 | .96 | 57. | 58.9 | 60. | 60.3 | 919 | 61.0 | 61. | 63. | . 79 | 67. | 69 | 73.8 | 18.0 | 82. | 83. | 86. | 87. | 87. | | 87. | | 87. | | 87. | | : | 87.9 | - |
| | 8 | 6 | | 6 | | 0 | 0 | .5 | 5 | 5 | 5 | | 9 | 0 | 20 | 0 | ~ | .5 | 1 | - | 0 | 0 | 1. | | 1 | | 1 | 1. | 1 | | - | - 1- | 1 |
| | Al | | | | | 54 | | 1 | | | | 1 | | 1 | | 1 | | 1 | | 1 | | | | | | | | 1 | | 1 | | 2 20 | J |
| | 9 | 4 | | 8 | | 4.1 | - | 2 | 2.5 | 2 | 2 | 2 | * | 9 | 8 | 0 | 3.6 | 8.1 | 2.3 | 3.8 | 76.6 | 5.6 | 7.3 | 1.3 | 7.3 | 77.3 | | 7.3 | 7.3 | 77.3 | | 77.3 | 1 |
| | | _ | 1 | | _ | 4 | | 1 5 | _ | _ | _ | _ | - | - | ~ | - | ~ | ~ | ~ | - | - | - | ~ | - | ~ | - | - | 1 | ~ | - | - | 00 | 1 |
| | N N | 24. | 27. | 27. | 27. | 12 | 28 | 53 | 58 | 29 | 53 | 53 | 58 | 30 | 31. | 32 | 34 | 36 | 38 | 38 | 38 | 38 | 33 | 39 | 39. | 39 | 39 | 39 | 38 | 39 | 27 | 39.0 | |
| CEILING | (i | CEILING | 20000 | 000 | 10000 | 000 | 12000 | 000 | 0006 | 000 | 2000 | 000 | 2000 | 909 | 4000 | 200 | 3000 | 200 | 2000 | 800 | 1500 | 200 | 00 | 8 | 8 | 700 | 8 | 800 | 8 | 8 | 200 | 80 | |
| CEIL | H | NO CE | AI | | 1 11 | | 1 11 | 1 | 1 11 | | 1 11 | | 1 /1 | | 1 71 | | 1 /1 | | 1 11 | 1 | 1 11 | | 1 11 | AI | Al | ^ | 1 11 | ^ | 1 11 | Al | AI | AI AI | |

TOTAL NUMBER OF OBSERVATIONS

141

-

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANAS CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1.5.T.) F.F.B

| | ٨١ | | • | | | 70.9 | 72.3 | 75.2 | 75.2 | 76.6 | 76.6 | 78.0 | 78.0 | 78.0 | 82.3 | 84.4 | 85.8 | 1.06 | 92.2 | 94.3 | 95.7 | 95.7 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 0000 | 000 | 000 | 000 | 0000 | |
|---------------------------|---------|------------|-------|---------|---------|------|---------|------|--------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|-------|--------|-------|-------|---------|---|
| | M Al | 9.65 | • | • | • | • | • | 2. | .2 | 9 | - | 0 | 0. | 8 | 2.3 | 4.4 | 2.8 | 7. | 2.2 | 4.3 | 2.1 | . 1 | 8.6 | 8.6 | 9.8 | 9.8 | 9 | 10000 | 100001 | 0 | 10.00 | 0000 | |
| | ≥ 5/16 | 9065 | 0 | | | • | • | 75.2 | • | • | | | 8 | 8 | 82.3 | ; | 5 | ċ | 92.2 | | 98.7 | 5 | 00 | 8 | | 8 | 8 | 100.0 | 0 | 0.001 | 0 | 00000 | |
| | N Z | 59.6 | | | • | • | | | 75.2 | | , | | | 0 | 7 | 4. | • | 0 | | | | 95.7 | | 98.6 | 8 | | | 0.001 | 0 | 0.001 | 5 | 000 | |
| | % Al | 59.6 | 0 | 04.2 | | 400 | • | 75.2 | | • | 76.6 | | • | 8 | 3 | | 85.8 | 0 | | 64.3 | | | 8 | 8 | | 98.6 | | | • | 0.00 | 0 | 000 | |
| | % Al | 59.6 | | | 6 | | • | | 75.2 | .0 | | 8 | | | 2. | * | 85.8 | 0 | | 6.46 | | 3 | 98.6 | | 8 | 98.6 | | 0.001 | | | | 000 | |
| (S) | - | 6 | | | • | | | 5 | | 9 | 76.6 | | 00 | | 2 | 3 | 83.8 | • | ~ | 64.3 | 2 | 45.7 | 00 | 98.6 | | 98.6 | | 0.00 | 00.00 | | | 000 | |
| VISIBILITY (STATUTE MILES | VI Z | 6 | 0 | 69.5 | 6 | • | 2 | 2 | 75.2 | 9 | | * | 00 | | | | 85.8 | | | 64.3 | 2 | 5 | 8 | | | 30 | • | 99.31 | 6 | 99.3 | | 99.3 | |
| BILITY (ST. | VI 72 | 59.6 | | 64.5 | 69.5 | 40.0 | 72.3 | | 75.2 | | | 78.0 | | | 82.3 | | 85.8 | 0 | 3.26 | 64.3 | 2 | 45.7 | 98.6 | 98.6 | | | 98.6 | | | 66.3 | | 99.99 | |
| VISI | 7 | 8 | 67.4 | | 8. | 69.5 | 0 | | 73.8 | 5 | | 9 | .9 | 9 | | | 84.4 | | 0 | | * | | | 97.2 | - | | 97.2 | 61.6 | - | 97.9 | • | 97.9 | 1 |
| | 2 2% | 57.5 | 0 | 4.10 | 1. | 68.8 | 0 | 13.1 | 73.1 | | 74.5 | | • | 9 | 80.1 | 2 | | • | 90.1 | 92.2 | ~ | 92.9 | | | 95.7 | 1.66 | 45.7 | 1.56 | | 7.56 | | 95.7 | |
| | e Al | | 0 | ; | | 68.1 | | 72.3 | 72.3 | • | | 75.2 | • | 75.2 | | - | 83.0 | 87.2 | 6 | | 2. | | 5 | 3 | • | 95.0 | • | | 'n | 95.0 | | 920 | 1 |
| | AI AI | · o | - | 63.3 | - | 1.99 | 68.1 | | 40.01 | 72.3 | 72.3 | | 73.8 | 73.8 | 77.3 | 4.66 | 60.0 | 85.1 | | 89.4 | | | 5 | | | 2. | • | 6.26 | 2 | 92.9 | | 92.9 | 1 |
| | SS AI | 55.3 | | • | 64.5 | | | | 70.2 | • | • | 73.1 | 73.1 | 73.1 | 15.9 | 0.87 | 19.4 | 83.7 | 85.8 | • | | • | 90.8 | • | • | 8006 | 90.8 | 90.8 | 90.6 | 8.06 | 000 | 000 | |
| | ۰ ۸۱ | | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 87.2 | |
| | 5 | 27.0 | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | : | 4 1 . 8 | |
| CEILING | (FEET) | NO CEILING | 20000 | 2 18000 | > 16000 | | > 12000 | 1 | 0006 ~ | 1 | 7000 | | 2000 | | 400 | | 3000 | | 7 2000 | 1800 | 1500 | | 1000 | | 80 | | 8 | | 400 | 300 | | 80 | |

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 FEB

| | | 4 0 | 0 | 0 | 0 7 | 9 | 9 | - | - | - | 0 | 0 | 2 | 3 | 0 | 2 | - | - | 0 | 0 | 9 | 9 | 0 | 0 | ō | 0 | 0 | 0 | 0 | 00 |
|----------------------------|------|-----------------|-------|-----|-------|-----|-----|----|------|-----|-----|-----|------|-----|------|-----|------|-----|-------|-----|-----|----|----|-----|------|-----|------|----------|----|-------|
| | Al | - | - | - | 3 50 | | | | 8 | ò | • | | | | 5 | | | 5 | - | 1. | 8 | 8 | 8 | 98 | 00 | 00 | ò | 00 | 0 | 000 |
| | | 0 | - | - | - | - | - | 1 | ~ | 00 | 00 | | 00 | - | | 0 | | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | - | 2 | 20 |
| | * | 4 0 | 0 | 0 | 2 0 | 9. | 9. | | | - | | 0 | | 3. | 6. | | | | 6. | 6 | 9. | 9 | | 9. | 0 | 0 | 0 | 0 | 0 | 00 |
| | Al | 57 | 7 | 7 | 30 | 16 | 16 | 18 | 78 | 80 | 80 | 83 | 86 | | 26 | | | 95 | 16 | 16 | 86 | 86 | 86 | 86 | 8 | 00 | 8 | 00 | 00 | 000 |
| | | 4 0 | 9 | 0 | 0 0 | 9 | | 1 | - | - | | 0 | - | _ | 0 | 0 | | | | 6 | 9 | - | 9 | - | 0 | 0 | - | 0 | - | 00 |
| | 5/16 | | - | - | 2 10 | 9 | | 8 | | • | | • | • | 6 | 2. | | | | | | * | | | | • | | | | | 00 |
| | Al | 01 | - | - | | - | ř | Ĩ. | 2 | ä | æ | 0 | ž | œ | | 6 | 0 | 6 | ò | 0 | õ | 86 | õ | 98 | 001 | 00 | 00 | 00 | ŏ | ŏŏ |
| | - | 4 0 | 0 | 9 | 0 7 | 9 | 9 | - | ~ | - | 0 | 0 | 3 | 3 | 0 | m | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| | N N | == | | - | 9 10 | 0 | 9 | 0 | 2 | 80 | | 83 | | | 2 | | 5 | 2 | 16 | - | 8 | 80 | 30 | 8 | Ö | 00 | ò | 0 9 | 2 | 20 |
| | | | | | | - | | | | | | | | | | | 0 | - | _ | _ | | _ | | | d | 6 | ă | = | 3 | 33 |
| | * | 4 0 | • | • | 2 | | | • | | | •- | | • | | | | | | .9 | | | | | | | • | | | | |
| | Al | 95 | F | 7 | 55 | 9 | 16 | 78 | 78 | 80 | 20 | 83 | 86 | | 92 | 96 | 9 | | | 6 | 86 | 6 | 8 | 98 | 8 | 0 | 8 | 00 | 3 | 88 |
| | | 4 0 | 0 | 00 | 0 0 | 0 | 9 | - | ~ | 7 | 0 | 0 | 2 | 4 | | ~ | 1 | - | 0 | 0 | 9 | | 9 | 0 | 6 | 6 | | 6 | 5 | 55 |
| | AI | - | - | - | 200 | 9 | • | 8 | œ | 0 | 0 | 2 | | | 3 | * | | | | | 0 | | | 3 | 0 | 00 | 0 | 00 | 0 | 000 |
| | | 20 | - | | - | | - | 1 | - | 00 | | - | | 00 | 0 | 6 | 0 | 6 | 6 | 6 | 0 | 6 | 0 | 6 | 9 | - | - | 1 | 9 | 22 |
| | _ | 4.0 | 9. | 0 | 2 .0 | 9. | 9 | | | - | • | 0 | š | 4. | 6. | | | | 6. | 6. | | | • | | 0 | 0 | • | | • | 00 |
| | Al | 107 | - | 7 | 25 | 16 | 16 | 18 | 18 | 80 | 80 | 83 | 86 | | 92 | 46 | | | | 20 | 9 6 | | 86 | 98 | 00 | 00 | 00 | | 00 | 000 |
| I ES | | 3 0 | 9 | 9 | × × | 9 | 9 | 1 | - | _ | 0 | - | 5 | _ | 6 | • | ~ | ~ | 0 | - | 9 | 9 | | 9 | 0 | 0 | 4 | d | -1 | 00 |
| 2 2 | 1.7 | | : | • | חות | | | 8 | • | • | | | • | • | 2. | | | 5 | • | | | | 8 | | | | • | | • | |
| 12 | Al | 92 | - | - | | F | 7 | - | | 8 | ŏ | æ | 8 | 30 | 6 | | | 6 | ò | • | õ | 0 | | 0 | 001 | 001 | 100 | 001 | 00 | 200 |
| VISIBILITY (STATUTE MILES) | 4 | 4 0 | 0 | 0 | 0 7 | 9 | 0 | 1 | - | - | 0 | 0 | • | 4 | 6 | 3 | | - | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 50 |
| È | 77 | 192 | - | = | 210 | 9 | 0 | 8 | | | 0 | | 86 | | ~ | * | | 5 | 16 | 16 | 86 | 8 | 98 | 38 | | 00 | 00 | | 0 | 000 |
| SIBI | | - | | | ^ | | - | - | | | 20 | _ | | 00 | 0 | 6 | 6 | 0 | | 3 | | _ | _ | 5 | - | - | ~ | -4 . | - | - |
| > | ~ | | | • | | . 5 | | | • | 0. | | 6.0 | | | | 2 | | 9. | | • | | .5 | • | | 6. | | 6. | • | | 00 |
| | AI | 99 | | 9 | 75 | | | 76 | 16 | 18 | | 00 | | 23 | | 92 | | | | | | 96 | 8 | | 6 | 97 | - | 0. 6 | | 2 6 |
| | | 0 - | - | | VO | - | -4 | 2 | 2 | 0 | m | 3 | 0 | 20 | 4 | 80 | 2 | 2 | 3 | - | 0 | 0 | 0 | o | - | - | 1 | - 1 | - | |
| | 274 | + 00 | | | 0 - | 10 | m | in | 3 | 0 | - | | 100 | | | o | | 2 | | | ŝ | | 'n | 123 | | | n | 0 | 2 | n in |
| | ۸I | 00 | 0 | ١٥ | - | | 7 | | - | | - | | | | 20 | | 3 | 0 | | 6 | 3 | | 0 | 1 | 6 | 6 | 0 | 20 | _ | 2 |
| | | | - | - | ,0 | - | 7 | | • | 9. | | 3. | | | 4. | 8. | .2 | .2 | | | • | 0 | | 0 | | | | | | |
| | Al | 49 | | 99 | 25 | 13 | 73 | | 75 | 10 | 11 | | | | 89 | 06 | 26 | 92 | | 34 | 95 | 56 | 50 | 95 | 95 | 95 | 9 | | 6 | 2 2 |
| | | | - | - | 0 0 | 9 | • | 03 | 00 | 2 | 6 | 0 | 0 | 5 | ~ | - | - | - | 0 | ~ | 0 | 6 | 0 | 0 | 0 | 9 | • | 0 | 0 | 00 |
| | * | 0 0 | 9 | 9 | | | | | 3 | • | * | 202 | | * | | | 0 | 0 | | 3 | 2. | 5 | 2 | | = | 3 | | | 3. | |
| | AI | 0 0 | | 0 | 0 | - | 1 | 1 | 1 | - | - | - | 00 | Œ | 8 | 00 | 0 | 9 | 0 | 6 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 6 | | 0 0 |
| | _ | 0.0 | | - | | - | 5 | | 6. | . 3 | - | 2 | - | 9 | 4 | 80 | 7. | 7. | | | | 7 | | | | 00 | | | 0 | 0 30 |
| | ۸I | 19 | 24 | 4 | 689 | 69 | 29 | 07 | 10 | 7 | 3 | 2 | 18 | 81 | 84 | 2 | 33 | 3.1 | 68 | 3.0 | 06 | 06 | 06 | 06 | 06 | 0 | 06 | 0 | 0 | 000 |
| | | 0 4 | 1 | 1 | 0 | - | * | 80 | | 2 | | 2 | | - | | 0 | | 1 | 10 | _ | | 2 | | 1 | | 6 | | - | | 00 |
| | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AI | 59 | 0 | 0 | 0 0 | 0 | 9 | 9 | 9 | ř | ~ | - | ~ | = | 30 | œ | 8 | 100 | 8 | 8 | 8 | 0 | œ | ocs | 00 | B | 3 | 00 | 0 | 2 2 |
| | | | - | | - 3 | | 4 | 4 | | 4 | 3 | 3 | | | | 0 | | | | | | | 6 | 6 | | 0 | 0 | 0 | | |
| | 2 | | - | - | - 03 | 00 | | 33 | | œ | | 20 | 0 | 3 | 5 | | 5 | 0 | 6 | 6 | 0 | 5 | | 5 | 6 | 6 | | 0 | | 0 |
| | ^' | | - | - | | - | - | - | ~ | _ | - | - | - | | _ | C | - | | - | | - | - | _ | - | - | L | - | | - | |
| 0 | | y o | 0 | 9 | 90 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | . 0 | 0 | | 0 | 0 | 0 | | | 9 | 0 | 0 | 90 |
| CEILING | EET | CEILING 2000 | 18000 | 900 | 12000 | 000 | 8 | 80 | 2000 | 8 | 900 | 450 | 90 | 350 | 300 | 250 | 2000 | 180 | 1500 | 120 | 8 | 8 | 8 | 70 | 8 | 8 | 8 | 8 | 2 | 80 |
| 2 | = | 9 4 | | | ALAI | | 141 | 1 | 11 | 1 | M | 1 | 1 11 | 1 | 1 11 | 1 | IAI | 1 | 1 1 1 | ٨ | IAI | ٨ | M | 1 | 1 11 | 1 | 1 11 | AI. | AI | AI AI |
| | | 1- | _ | _ | | _ | | _ | | _ | | _ | | _ | - | _ | - | _ | | _ | | _ | | _ | | _ | | | | |

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

76.6

73.1

73.1

73.1

73.8

72.3

69.5

16.3 67.4

73.1 73.1

70.2

16.3 68.1 68.1

800 7000 000

AI AI

70.2

4.10

65.3

16.3

800

AI AI

65.3 67.4

10.3

15.6 63.8 66.0

76.6

76.6

74.5 14.5

75.9

77.3

77.3

75.2

75.2

73.8 74.5 75.2 77.3 83.0 83.7

70.9

68.8

70.2

10.3 16.3

800

AI AI

78.0

78.0

15.9

75.9

11.6

69.8 70.2 72.3

16.3

16.3

AI AI

16.6

76.0

78.7

78.7

76.6

16.6

18.7

78.7

74.5

16.3

3000

AI AI

72.3

86.5 87.2

86.5

84.4

84.4

87.2

85.1

85.1

80.9 85.1

78.7

1.1

17.7 78.0 80.1

71.6

73.1

73.1

70.9

6.01

6.01 71.6

68.8

68.8

68.1

65.3

15.6 63.1

12000

AI AI

69.5 10.9 40.0 73.8 74.5 74.5

8.89 70.2

70.2

68.1

68.1

70.2 70.2

70.5

68.1

64.5

64.5 68.1

0.19

NO CEILING × 20000 VI VI 0009 1 6000

70.5 70.5

68.1

68.1

4.19 67.4

64.5 64.5

4.29 4.29

15.6

15.6 62.4 64.5

70.2 70.2 70.2 40.0 71.6

٨I

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA STATION NAME

93114

73-77

HOURS (LS T 22

FEB MONTH

1100

PERCENTAGE FREG (FROM HOUR

VISIBILITY (STATUTE MILES)

٧١ ج

AI

4

2

(FEET)

YEARS

| CCLIPPENCE | /ATIONS) |
|------------|----------|
| C | OBSERV |
| 7 | OBS |
| FNC | _ ≿ |

86.5 92.2 6.07 76.6 77.3 80.9 80.9 80.9 61.5 96.5 97.2 15.9 93.6 93.6 93.6 93.6 97.9 70.2 70.2 70.2 71.6 78.0 78.7 87.2 96.5 76.6 71.6 16.6 78.0 77.3 92.2 96.5 61.6 400 8.96 70.2 70.2 75.9 76.6 73.1 78.7 73.1 91.5 97.2 86.5 87.2 6.16 71.6 76.6 16.6 78.0 6.16 6.01 75.9 77.3 91.5 66.3 70.2 70.2 73.1 78.7 86.5 93.6 66.3 87.2 96.5 96.5 97.2 93.6 76.6 93.6 16.6 70.2 6.01 71.6 77.3 78.0 86.5 91.5 2.26 93.6 97.2 97.9 70.2 73.1 78.7 80.9 87.2 61.6 98.8 97.9 96.5 96.5 87.2 93.6 6.96 70.2 71.6 16.6 93.6 77.3 80.9 92.2 6.16 6.16 16.6 78.0 98.6 91.5 6.16 98.6 70.2 73.1 75.9 78.7 86.5 6.96 97.2 73.1 .99 ٨١ 87.2 93.6 61.6 71.6 73.1 76.6 77.3 78.0 91.5 10.9 78.7 80.9 92.2 96.5 61.6 70.2 70.2 70.2 73.1 76.6 86.5 86.5 93.6 93.6 96.5 96.5 96.5 96.5 97.2 97.9 98.6 ٨I 6.76 77.3 78.0 87.2 91.5 92.2 96.5 6.16 76.6 71.6 73.1 6.16 70.2 70.2 70.2 40.0 76.6 97.2 73.1 78.7 80.9 80.9 80.9 93.6 93.6 93.6 ¥1 14

78.7

87.2 91.5 92.2 93.6

86.5 80.9

78.0

TOTAL NUMBER OF OBSERVATIONS

141

8.66

98.6

98.6 9.86

6.96

96.5

6.46 64.3 64.3

94.3

92.2 92.2 92.2 92.2

94.3

94.3

92.2

91.5

91.5

90.1

87.2 58.7 88.7 88.7

83.0 84.4

98

AI AI

97.2

97.2

6.46 6.46 64.3

> 88.7 88.7

7.7

88

ALAI

84.4 84.4

17.7

88

AI AI

84.4

1.1

84.4

84.4

17.7

93.6 93.6

91.5

61.5

90.1

87.2

83.0

7.7

1500

AI AI

92.2

92.2 91.5

1.06

90.1

88

85.8

82.3

1.7

81.6

17.7

2000

ALAL

91.5

\$ 68

4.68

87.9

61.6 61.6

97.9 97.9

84.3

6.16 98.8

6.46

6.76 64.3 94.3 94.3 34.3

94.3 6.46 6.46

92.2

5.26 92.2

38.7

84.4

7.7

88

AI AI

17.7 84.4

17.7

88

AI AI

98.6

98.6

98.6

98.6

98.6

98.6

92.2

92.2

92.2

88.7

84.4

80

AI AI

98.6

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

FEB

ALL HOURS (1 S T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| V 25 C C C C C C C C C C C C C C C C C C |
|--|
| V 1-0000-00-00-00-00-00-00-00-00-00-00-00- |

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET

SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) SANTA ANA, CALIFORNIA

CEILING VERSUS VISIBILITY

73-77

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93114

MAR

OI HOURS (LST.)

| VISIBILITY (STATUTE MILES) | 2 | 0.7 60.7 61.3 61.3 61.3 61.3 61.9 61.9 61.9 61.9 61.9 61.9 61.9 61.9 | 2.6 62.6 63.2 63.2 63.2 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9 | 2.6 62.6 63.2 63.2 63.2 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9 | 2.6 62.6 63.2 63.2 63.2 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9 | 2.6 62.6 63.2 63.2 63.2 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9 | 3.2 63.2 63.9 63.9 63.9 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5 | 3.9 63.9 64.5 64.5 64.5 64.5 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65 | 3.9 63.9 64.5 64.5 64.5 64.5 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65 | 5.2 65.2 65.8 65.8 65.8 65.8 65.8 66.5 66.5 66.5 | 5.8 65.8 66.5 66.5 66.5 66.5 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 | 5.8 65.8 66.5 66.5 66.5 66.5 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 | 7.1 67.1 67.7 67.7 67.7 57.7 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 | 7.1 57.1 57.7 67.7 67.7 67.7 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 | 9.0 69.0 69.7 69.7 69.7 69.7 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70 | 2.3 72.3 72.9 72.9 72.9 72.9 73.6 73.6 73.6 73.6 73.6 73.6 73.6 73.6 | 6.1 76.8 77.4 77.4 77.4 77.4 78.1 78.1 78.1 78.1 78.1 78.1 78.1 78.1 | 3.2 33.9 84.5 84.5 84.5 84.5 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85 | 7.7 89.0 89.7 89.7 89.7 89.7 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 | 7.7 89.0 89.7 89.7 89.7 89.7 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 | 9.7 91.6 92.9 92.9 92.9 92.9 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93 | 9.7 91.6 92.9 92.9 92.9 92.9 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93 | 1.6 93.6 94.8 94.8 94.8 94.8 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95 | 1.6 93.6 95.5 95.5 95.5 95.5 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 | 1.6 93.6 95.5 95.5 95.5 95.5 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 | 2.3 94.2 96.1 96.1 96.1 96.1 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96. | 2.3 94.2 96.1 96.1 96.1 96.1 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 | 2.3 94.2 96.1 96.8 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 | 2.3 94.2 96.1 96.8 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 | 2.3 94.2 96.1 96.8 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 | 2.3 94.2 96.1 96.8 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 | |
|----------------------------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--------------|
| | 4 VI | 3.7 61.3 6 | 2.6 63.2 6 | 2.6 63.2 6 | 2.6 63.2 6 | 2.6 63.2 6 | 3.2 63.9 6 | 3.9 64.5 6 | 3.9 64.5 6 | 5.2 65.8 6 | 5.8 66.5 6 | 5.8 66.5 6 | 7.1 67.7 6 | 7.1 67.7 6 | 3.0 69.7 6 | 2.3 72.9 7 | 5.8 77.4 7 | 3.9 84.5 8 | 9.0 89.7 8 | 9.0 89.7 8 | 6 6.26 9.1 | 1.6 92.9 9 | 3.6 94.8 9 | 3.6 95.5 9 | 3.6 95.5 9 | 4.2 96.1 9 | 4.2 96.1 9 | 4.2 96.1 9 | 4.2 96.1 9 | 6 1 . 96 2 . 4 | 4.2 96.1 9 | 94.2 96.1 96 |
| | 9 11 | 11.6 60. | 12.3 62. | 2.3 62. | .3 62. | 2.3 62. | 2.3 63. | 2.3 63. | | 2.3 65. | 65. | 2.3 65. | .3 67. | 2.3 67. | .3 69. | 2.3 72. | 12.9 76.1 | .2 83. | 4.2 87. | 4.2 87. | .2 89. | 4.2 89. | 4.2 91. | 4.2 91. | 4.2 91. | 4.2 92. | 4.2 92. | 4.2 92. | 4.2 92. | 4.2 92. | .2 92. | 14.2 92 |
| CEILING | (FEET) | NO CEILING | Z 20000 | V 18000 | 1 | | 12000 | 1 | 0006 | 1 | 1 7 1000 | | 2000 | | 000 | | 3000 | | 2000 | 1 | 1500 | 1 | 000 | | 8 | 1 | 9 | | 141 | | 70 | - |

0

0

TOTAL NUMBER OF OBSERVATIONS

9998

SMOS

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANA, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR MONTH O4 HOURS (LST.)

1111

| | AI O | 09 | 10 | .10 | 61. | 61. | 62. | . 49 | 94. | 65 | 65. | 65. | 99 | 070 | 69 | 72. | 20. | 83. | 89. | 89 | 91. | 92. | 93. | 95. | 96 | 96 | 96 | 97. | 97. | 98. | 66 | 000 | 00 |
|---|-----------|------------|---------|---------|---------|------|---------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
| | VI VI | • | - | = | : | - | | * | | • | 65.2 | | • | 10/0 | 0.69 | 2. | 19.4 | 3 | 89.0 | 89.0 | | • | | 10 | | 8.96 | 8.96 | 4.16 | 4.26 | 96.1 | 1.86 | 98.7 | 98.71 |
| | ≥ 5/16 | 0.00 | 610 | 01.3 | 61.3 | | 65.6 | | | 65.2 | 65.2 | • | 66.5 | | 6 | 2. | 19.4 | 3 | 89.0 | | - | 2 | 93.6 | | 96.1 | 96.8 | 80.96 | 4.16 | 97.4 | 37.4 | 97.4 | 97.4 | 97.4 |
| | AI % | 0000 | - | - | - | - | 9.29 | ; | | | 65.2 | | | | | 7 | 4.64 | | 89.0 | | 91.6 | | 93.6 | 95.5 | | 8.96 | 8.96 | 4.16 | 4.76 | 4.16 | 4.16 | 4.16 | 4.16 |
| | * | 0. | : | 610 | 6163 | = | 2 | | | | | | | | • | | | | 89.0 | | | | • | 2 | 96.1 | 0 | | 97.4 | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 |
| | N N | 0.09 | - | - | - | : | 5 | * | * | | 2 | 0 | ; | 67.1 | 6 | 2 | 79.4 | = | 6 | 89.0 | 91.6 | | 93.6 | 2 | 1.96 | | .9 | - | - | | 4.70 | 4.16 | 4.16 |
| ES) | - AI | 59.4 | • | | 60.7 | 60.7 | 61.9 | 63.9 | | 64.5 | 64.5 | 64.5 | 65,8 | 66.5 | 68.4 | 71.6 | 78.7 | 83.2 | 88.4 | | 91.0 | 2 | | | | 96.1 | 96.1 | 96.1 | 1.96 | | 96.1 | 96.1 | 96.1 |
| VISIBILITY (STATUTE MILES) | ¥1 ¥ | 59.4 | 00. | 200 | • | 0 | - | 63.9 | 3. | 64.5 | 64.5 | | 65.8 | 66.5 | | - | 78.7 | 3. | 88.4 | | - | | | | | | 95.5 | | 95.5 | 62.5 | 95.5 | | 95.5 |
| IIBILITY (SI | ٧١ ٧٧ | 59.4 | 0 | 1.09 | 60.7 | | 61.9 | 63.9 | | 64.5 | 64.5 | | 3 | 60.5 | • | - | 78.7 | L | | 4.88 | • | | 65.6 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 65.5 | 95.5 | 62.5 | 95.5 |
| \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | K 2 | 0 | 0 | 2009 | 0 | ò | | 63.9 | 63.9 | * | 64.5 | | 65.8 | | 68.4 | | 78.7 | | | | • | | | | | 95.5 | | 3 | 95.5 | | 95.5 | 95.5 | 95.5 |
| | 2 2% | | • | 0 | | 0 | 61.9 | 133 | | 64.5 | 4 | 94. | 65.8 | 66.5 | • | | 78.7 | 100 | 8 | | : | | 92.9 | | 95.5 | | 95.5 | | 95.5 | 95.5 | 95.5 | 48.5 | 95.5 |
| | e vi | 59.4 | | 1009 | 1.09 | | 61.9 | | 63.9 | 63.9 | | 63. | 65.2 | 9 | 67.7 | 71.0 | 78.1 | 2. | 87.7 | 87.7 | 0 | 91.6 | | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | * | 94.8 | 8.46 | 8.46 | 94.8 |
| | VI | 1 | .00 | •09 | 00 | 90. | 61.9 | 63. | 63. | 63.9 | 63. | 63 | 65.2 | 69 | 0 | - | 78.1 | 82. | 87. | 87. | 06 | 91. | 0 | 63. | 94.2 | | 94.2 | 24.2 | 84.2 | 94.2 | 4 | . 7 | 34.5 |
| | \$1 A1 | 59 | 00 | 00 | 9 | 9 | 19 | 63 | 63 | 63 | 63 | 63 | 65 | 65 | 67 | 7 | 78 | 82 | 87 | 87 | 89 | 06 | 16 | 26 | 92. | 6 | 92. | | 92. | 0 | 92.9 | | |
| | 9 Al | .65 | •00 | 60. | 60. | 50 | 61. | 63. | 63. | 63. | 63. | 63. | . 49 | 65. | 67. | 10. | 76. | 63. | 85 | 00 | 87. | 68. | 60 | 68 | 90. | | | | | | 90.3 | | |
| | 2 | | : | 11.6 | | | | | | | | | | | | | | | 14.2 | | | | | | | | | | 14.8 | | 14.8 | | 14.8 |
| CEILING | (FEET) | NO CEILING | 1 20000 | N 18000 | 2 16000 | | 2 12000 | 1 | 0006 | 1 | 1 7000 | 1 | 2000 | 1 | 141 | 1 | 3000 | | 2000 | | 1500 | | 1 11 | | 8 | 1 | 141 | 1 | 141 | | 700 | | ١٨١ |

155

TOTAL NUMBER OF OBSERVATIONS

S

3

SANTA ANA, CALIFORNIA

93114

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

07 HOURS (1.5.T.)

DBM

| | % I % I 8/16 I % I % | 55.3 52.3 52. | 5 55.5 55.5 55.5 R KK K K K K K K K K K K | 5 55.5 55.5 55.5 5 | 8 56.8 56.8 56.8 5 | 58.1 58.1 58.1 | 58.1 58.1 58.1 5 | 59.4 59.4 59.4 6 | 0 60.0 60.0 60.0 60.0 61 | 0 60.0 60.0 60.0 | 6 62.6 62.6 62.6 63 | 2 63.2 63.2 63.2 64 | 8 65.8 65.8 65.8 67 | 8 74.8 74.8 74.8 | 08 4.67 4.67 4.67 4 | 9 83.9 83.9 | 9 83.9 83.9 83.9 | 5 86.5 86.5 86.5 87. | 92.3 92.3 92. | 3 92.3 92.3 92.3 | 3 92.3 92.3 92.3 94 | 3 92.3 92.3 92.3 94 | 2 94.2 94.2 94.2 9 | 5 95.5 95.5 95.5 9 | 96.1 96.1 96.1 9 | 1 96.1 96.1 96.1 9 | 6.1 96.1 96.810 | 96.1 9 | 1 96.1 96.810 |
|----------------------------|----------------------|---------------|--|--------------------|--------------------|----------------|------------------|------------------|--------------------------|------------------|---------------------|---------------------|---------------------|------------------|---------------------|-------------|------------------|----------------------|---------------|------------------|---------------------|---------------------|--------------------|--------------------|------------------|--------------------|-----------------|-------------|---------------|
| | A | 5 52. | 5 55.5 5 | 5 55.5 | .8 56.8 5 | .1 58.1 5 | .1 58.1 5 | 4.00 | 4 00 00 | 9 0.09 0. | •6 62.6 6 | .2 63.2 6 | .8 65.8 6 | .8 74.8 7 | 1 4.64 7. | .9 83.9 8 | 83.9 8 | .5 86.5 8 | . 6 | .3 92.3 9 | .3 92.3 | .3 92. | .6 94.2 9 | .8 95.5 9 | .5 96. | 6 1.96 5. | .5 96.1 9 | 2.5 96.1 96 | .5 96.1 9 |
| VISIBILITY (STATUTE MILES) | 2 1/4 2 | 0 51.0 5 | .2 54.2 5 | 2 54.2 | .5 55.5 5 | .8 56.8 5 | 8 56.8 5 | 1 58.1 | 1 20.1 2 | 7 58.7 | .3 61.3 6 | 9 6.19 6. | .5 64.5 6 | .6 73.6 7 | .1 78.1 7 | .6 82.6 8 | .6 82.6 8 | .2 85.2 8 | 200 | 3 91.0 | 9 91.0 9 | .3 91.0 9 | 0 91.6 0 | .3 92.9 9 | .9 93.6 9 | .9 93.6 9 | .9 93.6 9 | 6 93.6 6 | 6 93.6 6 |
| VISIBILIT | 2% 22 2 | 51.05 | 2.4 | 54.2 5 | 55.5 5 | 56.8 5 | 56.8 5 | 58.1 | 28.1.2 | 58.7 | 3 61.3 6 | 9 61.9 6 | 9 5 0 9 9 | 6 73.6 7 | 1 78.1 7 | 9 82.6 8 | 82.6 8 | 34.5 | | 0 89.7 9 | 89.7 9 | 89.7 | 89.7 9 | 90.3 9 | 7 91.0 | 6 0 16 | 7 91.0 9 | .7 91.0 92 | 1.0 9 |
| | AI | 54. | 2.0 | 54.2 5 | 55.5 5 | 56.8 56 | 5 56.8 5 | 58.1 58 | 26.1.88.2 | 4 58.7 | 4 61.3 61 | 61.9 61 | 64.5 64 | 73.6 73 | 78.1 78 | 81.9 61 | 81.9 81 | 83.9 | 89.0 89 | 89.0 89 | 89.0 89 | 0.68 | 89.0 | 89.0 89 | 89.7 89 | 89.7 89 | 89.7 89 | 2 89.7 89 | 9.10 |
| | 2 2 2 4 | 52.3 53. | 52.3 53. | 52.3 53. | 53.6 54. | 54.2 55. | 54.2 55. | 54.8 56. | 55.5 575 | 55.5 57. | 57.4 59. | 58.1 60. | 60.7 62. | 69.0 71. | 73.6 76. | 77.4 80. | 77.4 80. | 76.7 81. | 81.9 | 81.9 84. | 81.9 84. | . 9 84. | .9 84. | . 9 84. | .9 85. | .9 | .9 85 | 81.9 85. | .0 |
| | N 10 Y | 5 48 | 5.4 | 4.5 51 | 5.2 52 | 5.2 52 | 5.2 52 | 5.8 53 | 2.000 | 6.5 54 | 6.5 56 | 6.5 56 | 6.5 59 | 9.0 67 | 1.0 71 | 1.6 75 | 1.6 75 | 1.6 76 | 1.6 | 1.6 79 | 1.6 79 | 1.6 79. | 1.6 | 1.6 79. | 1.6 79. | 1.6 79. | 1.6 79. | 9. | 1.6 79. |
| CEILING | (FEET) | NO CEILING | 00081 71 | | 12000 | V 10000 | - 1 | 0008 | | 8 8 | | 4000 | | ≥ 3000 | 2 2500 | 7 2000 | 1800 | | A1A | 1 | 141 | | 8 | - | 1 40 | | 1 200 | 8 | |

TOTAL NUMBER OF OBSERVATIONS

E

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 HOURS (1 5 T) MAR

| | ٨١ | 45. | .64 | 50. | 200 | 51. | 51.0 | 52. | 52. | 53. | 54. | 54. | 54. | 54. | 57. | 09 | 72. | | | 88. | . 76 | . 46 | 97. | 97. | 97. | 66 | .66 | .66 | .66 | 00 | 00 | 00 | 00 |
|----------------------------|--------|---------|-------|-------|---------|------|---------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|
| | N AI | 3 | 6 | 0.3 | 6.0 | 0.1 | 1.6 | 2.3 | 2.3 | 3.6 | 4.2 | 4.2 | 4.2 | 8.4 | 7.4 | 1.0 | 3 | 0.0 | 7.7 | 4.8 | 8.4 | | | 1.4 | 7.4 | 4.6 | 4.60 | | | 0.01 | 0.00 | 10.0 | 10.01 |
| | 5/16 | . 9 | 9.7 4 | .3 | 0.3 5 | 0 | 1.6 5 | .3 | 2.3 5 | - | .2 | .2 | | 9. | 7.4 5 | - | | 0. | | 40 | 4.8 | 4.8 | 7.4 9 | 4. | 7.4 9 | 6 4.6 | 4. | 6 4.6 | 6 4.6 | 0.010 | 0.010 | 0.010 | 0.010 |
| | Al % | 1 | | | ۳. | | | | | • | 2. | 2. | 4.2 5 | 80 | 4 | | | 0 | | 8 4 8 | 00 | 80 | 7.4 9 | 6 4.1 | 6 4. | 4 4. | 6 4.6 | 9.4 9 | 6 4.6 | 010.0 | 0.000 | 010.0 | 0.000 |
| | * | 5 B 4. | 4 10 | .3 5 | .3 5 | 0. | .6 5 | .3 5 | .3 | 9. | .2 5 | \$ 5. | .2 5 | .8 5 | .4 5 | . 7 6 | .3 7 | .0 | . 7 8 | . 4 8 | .8 | 6 8. | 6 | - | 6 4. | 6 5. | 6 4. | | 4.0 | 0100 | 01000 | 0100 | 00000 |
| | AI % | | .7 4 | | .3 5 | 0. | • | .3 3 | .3 5 | • | .2 5 | .2 5 | .2 | 6 8. | .4 57 | 9/. | 3 | 0.0 | .7 8 | 9 4. | 8. | | .4 97 | 6 5. | 4. | 6 5. | 66 5. | L | 56 5. | 0100 | 0100 | 0100 | 0100 |
| | A1 | | 4 | _ | | - | .6 51 | | 30 | .6 53 | 1 | 5 | .2 54 | ~ | .4 57 | .7 60 | .3 72 | 8 0 | | | | | 16 4. | 16 4. | | 66 1. | .7 99 | \$6 10 | .7 99 | 0015. | .4100 | 0015. | 4100 |
| MILES) | AI × | • | 2 | | n | n | .7 51 | 5 | .3 52 | .6 53 | 1 | 2 | 2 | 2 | .5 57 | 0 | - | 20 | 80 | œ | | 0 | 0 | 0 | .5 97 | 1 | 1 98 | 1 98 | 1 98 | 66 8 | 8 99 | 66 8 | 66 8 |
| VISIBILITY (STATUTE MILES) | Ā | 3 | 4 48 | 640 | | 65 | | 2 | 3 50 | 6 51 | | _ | 3 52 | 25 6 | 5 55 | 7 58 | 3 70 | 78 | 8 85 | - | 6 92 | 6 92 | 5 95 | 5 62 | 2 95 | 3 96 | 5 96 | 96 6 | 96 5 | 1 96 | 1 96 | 1 96 | 1 96 |
| /ISIBILITY | ×1 ×1 | 5 45 | 7 48. | 6 4 4 | 64 4 | 64 0 | 64 0 | | 7 50. | 5 | 6 52. | 2 | 6 52. | 5 | 8 55 | 30 | 7 70. | - | 80 | 00 | 3 92. | 0 | 9 | 8 95 | 8 95. | 3 | 8 95. | 8 95. | 8 95. | 0 | 96 5 | 96 6 | 96 5 |
| | AI | | 5 47. | 48. | .84 | .64 | .64 | 4 | .65 5 | 5 | 10 | 2 | 3 51. | c | 6 54. | 5 | .69 | - | 2 85. | 8 | | 5 92. | . 56 6 | 5 | 6 | 5 | | 0 | 6 | . 66 | 95. | . 66 0 | 96 6 |
| | 2 2% | 43. | 46. | 4.1 | 47. | 47. | 47. | 20 | 400 | 65 | 50. | | 0 | 51. | 53. | 56. | .99 | 15. | 63 | 20 | | 0 | 0 | 92. | 92. | 92. | 92. | 92. | 92. | 93. | 93.0 | 93 | 93.0 |
| | N AI | 43.2 | 45.8 | 46.5 | 46.5 | 47.1 | 47.1 | 47. | 47.7 | 0.65 | | 49.1 | 49.7 | 0 | 52.9 | 0 | - | | | 2 | 89.0 | 6 | | | - | 91.6 | 91.6 | 91.6 | 91.6 | 92.3 | 92.3 | 92.3 | 92.3 |
| | A) | 42.6 | 44.5 | 45.2 | 45.2 | 45.8 | 45.8 | 46.5 | 46.5 | 47.7 | | | 48.4 | | 51.6 | 54.8 | 66.5 | 72.9 | 80.0 | 80.0 | 85.00 | 85.8 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 83.4 | 0.68 | 0.68 | 0.68 | 89.0 |
| | S AI | - | 43.2 | 43.9 | 43.9 | 44.5 | 44.5 | 45.2 | 45.2 | 46.5 | | | 47.1 | | 0 | 3. | 65.2 | - | - | - | | * | | .0 | | 86.5 | 86.5 | 86.5 | 86.5 | 66.5 | 86.5 | 86.5 | 86.5 |
| | ۱۸ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 83.2 | | |
| | 2 | 2 | 2. | 3. | 2. | 2. | 2 | 3. | 3 | * | ; | | * | * | 5 | 5 | 2 | ~ | 1. | - | 6 | 6 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 0 | .0 |
| CEILING | (FEET) | CEILING | 20000 | 18000 | 2 16000 | | 2 12000 | 1 | 0006 | (| 7000 | 1 | 2000 | 1 | 141 | 1 | 3000 | 1 | 7000 | 1 | 1500 | 1 | 90 | | 8 | 1 | 8 | | 88 | | 38 | - | 0 |
| | | ž | ٨١ | | | _ | | L | | | | L | | | | | | | | | | | | | | L | | L | | | | | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

6

13 HOURS (1 S T)

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1 S T) MAR

800

| | 0 | 60.0 | 1.1 | 3 | 68.4 | 6.0 | 0.3 | 1.6 | 1.6 | 2.3 | 2.3 | 8.4 | 0 0 | 5.8 | 1.0 | 4.8 | 1.96 | 4.66 | 4.66 | 0.00 | 0000 | 0000 | 0000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 000 |
|----------------------------|--|--|------------------------------|-----------------------------|----------------------------|-----------------------|----------------------------|---------------------|-----------------------|-----------------------|--------------------|----------------------------|------------------------------|----------------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|--------------------------|----------------------------|----------------------------|---|
| | 7 | 0 - | 1.16 | - | | | 0.3 | 1.66 | 1.6 7 | 2.3 | 2.3 | 8.4 | 0.0 | 5.8 | 0. | 4.8 9 | - | 4. | * | 0 | 10. | 0 | 0 | 0 | 10. | 0 | 0 | 10. | 0.000 |
| | 5/16 > | 0 60 | 0 1 . | 101 | 6 4 | - | 3 7 | 1 9. | 6 7 | .3 7 | .3 7 | 800 | 0 9 | 8 8 | 16 0. | 0 8 | •1 90 | 66 5. | 66 5. | 00100 | 00100 | 00100 | 0010. | .0010 | 00100 | .0100 | .0100 | 0010 | 0010 |
| | ۷۱ کو | 0 60 | 10 | 0 | 0 4 | 100 | 20 | 6 71 | 6 71 | 3 72 | 3 72 | - | 0 7 | 8 85 | | 8 94 | 96 | 66 + | 66 | 0100 | 0010 | 0010 | 0010 | 0100 | 0100 | 0010 | 0100 | 0010 | 000 |
| | AI . | 67. | 0/0 | 0 | . 8 | 0 | 0 | 11.0 | 71. | 72. | 72. | 14. | | 85. | : | . 56 | 96 | 66 | 66 | 100 | 100 | 100 | 1001 | | 1001 | 1001 | 100 | 100 | 000 |
| | * | 67.1 | 1.19 | 1. | 6 8 9 | 10.3 | 70.3 | 11.6 | 71.6 | 72.3 | | 74.8 | 7.0 | 85.8 | - | 94.8 | 1 . 96 | 4.66 | 7.66 | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| | ۸I | 0.0 | - | - | 48.4 | 1 | 6.0 | 1.0 | 1.6 | 2.3 | 2.3 | 0.4 | 0 0 | 5.8 | | * | -: | 4. | 4.66 | .01 | 00.00 | 00.00 | 00.00 | .01 | 00.01 | 00.00 | 10.00 | 00.00 | 00.00 |
| | | 9 0. | • 1 6 | 10 | 0 4 | 1 | .3 7 | 1 9. | 1 9. | .3 7 | .37 | 000 | 0 3 | 8 | | .8 | .19 | . 4 | 6 4. | - | - | - | .010 | •010 | .010 | .010 | 010. | .010 | 010 |
| (ILES) | AI | 0 60 | 1 67 | 1 67 | 0 4 | 7 | 7 | 6 71 | 6 71 | 3 72 | 3 72 | -1 | 0 0 | 8 5 | 0 91 | 8 94 | | | 56 5 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 |
| ATUTE A | VI | 67. | 67. | 010 | 0 8 | 0 | | 71. | | • | 72. | • | 00 | | - | . 76 | .96 | 66 | 66 | 100. | 100. | 100. | 100. | 100. | 100. | 100. | 100. | 100. | 000 |
| VISIBILITY (STATUTE MILES) | ۷۱ ۲۰ | 66.5 | | 6000 | 1.10 | 69.7 | 69.7 | 71.0 | 71.0 | 71.6 | 71.6 | 74.2 | 8 | 85.2 | 90.3 | 34.5 | 62.5 | 1.86 | 98.7 | 4.66 | 4.66 | \$ 66 | 4.66 | 39.4 | 4.66 | 4.66 | 7.66 | 99.4 | 4.66 |
| 2 | | ON | 2 | 0 | -1 | - | ~ | 0 | 0 | 0 | 4 | N. | - | N | | | | 1. | . 1 | 5 | 4 | 4 | 7 | 4 | 3 | 4 | 5 | 4 | 3 4 |
| > | ۸I | .09 | . 9 | | 010 | | | 11. | 7.1. | 11. | 77 | 14 | 0 | 03 0 | 06 | 94 | 95 | 98 | 86 | 66 | 66 | 66 | 66 | 66 | .66 | .66 | .66 | 66 | .66 |
| > | | 0 0 | 5.8 66. | 99 9. | | 40 | 0 | 69.7 71. | 69.7 71. | 10.3 71. | 70.3 71. | 12.9 74 | 4.0 | | 6 0.6 | | 6 7.5 | 97.4 98 | 4.4 | | 8.1.9 | 96.1 99 | 8.19 | | 98.1 99. | 98.1 99. | 98.1 99. | 98.1 99. | |
| > | 21/2 | 5.8 56. | 5.8 65.8 66. | 5.8 65.8 66 | 0 - | 9 0 69 0 6 | 9.0 69.0 6 | 69.7 69.7 71. | 69.7 69.7 71. | .3 | 70.3 70.3 71. | .9 72.9 7 | 14.0 14.0 16 | 00 | 6 0.6 | 2.9 9 | 6 7.5 | 7.4 97.4 9 | 7.4 97.4 9 | 8.1 98.1 9 | 8.1.9 | .1 96.1 9 | 8.19 | .1 98.1 9 | 98.1 98.1 99. | 8.1 | 98.1 98.1 99. | 8.19 | 8.1 99. |
| > | 3 2% 2 | 8 65.8 56. | 5.2 65.8 65.8 66. | 5.8 65.8 66 | 7 - 67 - 6 | 8 4 69 0 69 0 6 | 9.0 69.0 6 | 1.6 | .7 6 | .7 70.3 7 | 69.7 70.3 70.3 71. | .3 72.9 72.9 7 | 0.41 | .2 83.9 83.9 8 | 6 0.68 0.6 | 2.9 92.9 9 | 4.2 94.2 9 | .4 97.4 9 | 7.4 97.4 9 | 8.1 98.1 9 | 8.1 98.1 9 | .1 96.1 9 | 1 98.1 9 | .1 98.1 9 | .4 98.1 98.1 | .1 98.1 | 8.1 98.1 9 | 8.1 98.1 9 | 8.1 98.1 99. |
| > | 5 12 12 12 12 12 12 12 1 | 59.4 60.0 60.0 60. | .5 65.2 65.8 65.8 66. | 5 65.2 65.8 65.8 66 | 8 44 8 47 3 67 3 6 | 7 0 69 0 69 7 89 1 | 7 68.4 69.0 69.0 6 | 1.69 0.69 4. | .4 69.0 69.7 6 | .0 69.7 70.3 7 | 1.69 0. | .6 72.3 72.9 72.9 7 | 0.41 0.41 0.41 | 6 83.2 83.9 83.9 8 | 6 0.68 0.68 4.88 7. | .6 92.3 92.9 92.9 9 | .9 93.6 94.2 94.2 9 | .1 96.8 97.4 97.4 9 | 1 96.8 97.4 97.4 9 | .1 97.4 98.1 98.1 9 | 1 97.4 98.1 98.1 9 | .1 97.4 98.1 96.1 9 | 1 97.4 98.1 98.1 9 | .1 97.4 98.1 98.1 9 | .1 97.4 98.1 98.1 | .1 97.4 98.1 98.1 | .1 97.4 98.1 98.1 9 | .1 97.4 98.1 98.1 9 | 8.1 98.1 99. |
| > | Y | 58.1 59.4 59.4 60.0 60.0 60. 63.2 64.5 65.2 65.8 65.8 66. | 63.2 64.5 65.2 65.8 65.8 66. | 63.2 64.5 65.2 65.8 65.8 66 | 63.9 63.2 63.0 66.3 66.3 6 | A 0.90 0.90 4.80 V.V. | 66.5 67.7 68.4 69.0 69.0 6 | 67.1 68.4 69.0 69.7 | 67.1 68.4 69.0 69.7 6 | 67.7 69.0 69.7 70.3 7 | 67.7 69.0 69.7 | 70.3 71.6 72.3 72.9 72.9 7 | 12.3 (3.0) (4.2) (4.0) (4.0) | 81.3 82.6 83.2 83.9 83.9 8 | 86.5 87.7 88.4 89.0 89.0 | 90.3 91.6 92.3 92.9 92.9 9 | 91.6 92.9 93.6 94.2 94.2 9 | 94.8 96.1 96.8 97.4 97.4 9 | 94.8 96.1 96.8 97.4 97.4 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 96.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 | 94.8 96.1 97.4 98.1 98.1 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 99. 94.8 96.1 97.4 98.1 98.1 99. |
| > | Y | 59.4 59.4 60.0 60.0 60. | 63.2 64.5 65.2 65.8 65.8 66. | 63.2 64.5 65.2 65.8 65.8 66 | 63.9 63.2 63.0 66.3 66.3 6 | A 0.90 0.90 4.80 V.V. | 66.5 67.7 68.4 69.0 69.0 6 | 67.1 68.4 69.0 69.7 | 67.1 68.4 69.0 69.7 6 | 67.7 69.0 69.7 70.3 7 | 67.7 69.0 69.7 | 70.3 71.6 72.3 72.9 72.9 7 | 12.3 (3.0) (4.2) (4.0) (4.0) | 81.3 82.6 83.2 83.9 83.9 8 | 86.5 87.7 88.4 89.0 89.0 | 90.3 91.6 92.3 92.9 92.9 9 | 91.6 92.9 93.6 94.2 94.2 9 | 94.8 96.1 96.8 97.4 97.4 9 | 94.8 96.1 96.8 97.4 97.4 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 96.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 | 94.8 96.1 97.4 98.1 98.1 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 9 | 94.8 96.1 97.4 98.1 98.1 99. 94.8 96.1 97.4 98.1 98.1 99. |

TOTAL NUMBER OF OBSERVATIONS

155

-

1

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 5 T WOUND (1 5 T) MAR

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MILE | £S) | | | | | | |
|------------|---------|---------|----------|---------|----------|-------|---------|----------------------------|------------|---------|---------|---------|---------|--------|---------|-------|
| (FEET) | 9 Al | ۰ ۸۱ | NO Al | VI 4 | es Al | 2 2% | 7 | VI 7/2 | ٧١ ٧٠ | ĀI | % Al | * Al | % Al | > 5/16 | VI Z | ٨١ |
| NO CEILING | 18.7 | 65.2 | 65.8 | 65.8 | 50 | 65.0 | | S | 65.8 | 65.8 | 65.8 | 68.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| 2 20000 | 0 0 | 2000 | 1 | 1 | | 0 0 | | | 9 01 | | | | | . 0 | | |
| 18000 | 100 | 000 | 67. | 67.7 | 4.8 | 68.4 | 600 | 6 60 | 5 6 | 600 | | | | 00 | | |
| 7 1,000 | 18.7 | 99 | 67.1 | 67.7 | | 00 | | | 6 | 6 | 6 | 0.69 | 69.0 | 6 | 0.69 | 69.0 |
| 17000 | 19.4 | 67. | 67.7 | 68.4 | 0.69 | 0.69 | 69.7 | 69.7 | 1.69 | 69.7 | 1.69 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| N 10000 | 20.0 | 69 | 69.7 | 70.3 | 71.0 | 11.0 | 71.6 | 71.6 | - | 71.6 | | • | | 71.6 | 71.6 | 71.6 |
| 900 | 20.0 | 60 | 69.7 | 70.3 | 71.0 | 71.0 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 1 | 20.0 | 70. | 71.0 | | | | 73.6 | 73.6 | 3 | 73.6 | | | 73.6 | 73.6 | 73.6 | 73.6 |
| 7000 | 20.0 | 71. | 71.6 | 72.9 | 73.6 | 73.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | | 74.2 | 74.2 | 74.2 |
| 1 | 20.0 | 71. | 72.3 | 73.6 | 74.2 | | 74.8 | 74.8 | . 4 | 74.8 | 14.6 | | 74.8 | • | | |
| 2000 | 20.7 | 72. | 72.9 | 74.2 | | 74.8 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.8 | 75.5 | 75.5 |
| 1 | 21.3 | 14. | 14.8 | 76.1 | 76.8 | 8.91 | 77.4 | 77.4 | 77.4 | 77.4 | 4.11 | 17.4 | | | 17.4 | 77.4 |
| 141 | 21.3 | 76. | 77.4 | 78.7 | 19.4 | 19.4 | 80.0 | 0.08 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| | 21.3 | 78. | 19.4 | 80.7 | 81.3 | 61.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | | 81.9 |
| 3000 | 22.6 | 85 | 85.8 | 87.1 | 1.18 | 87.7 | 4.88 | 88.4 | 88.4 | 88.4 | | | | 8 | | 88.4 |
| | 23.9 | 89. | 89.7 | 91.0 | 91.6 | 91.6 | 6.26 | 85.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 200 | 24.5 | 94. | 8.46 | 96.1 | 8.96 | 96.8 | 4.16 | 4.76 | • | 4.16 | | 4.16 | 97.4 | | | 97.4 |
| 1 | 24.5 | . 76 | 95.5 | 96.8 | 4.16 | 4.7.6 | | 98.1 | 98.1 | 98.1 | 1.86 | 98.1 | 98.1 | 98.1 | 1.86 | 98.1 |
| 1500 | 24.5 | 98. | 1.96 | 4.16 | 98.1 | 200 | 7.86 | 7.86 | | 7.86 | 7.86 | 98.7 | | | 7.86 | 98.7 |
| | 24.5 | 96 | 96.8 | 1.86 | 7.86 | 1.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | **66 | 7.66 |
| 1 1 1 | 24.5 | 96 | 4.16 | 68.7 | 4.66 | 99.41 | 100.001 | 100.01 | 100.001 | 100.00 | 100.001 | 100.001 | 100.0 | 100.0 | 100.001 | 0000 |
| | 54.5 | .96 | 4.16 | 186 | 5.66 | 15.66 | 00.00 | 100.00 | 10.001 | 0.001 | 100.001 | | | ċ | 0.001 | 0000 |
| 8 | 24.5 | 96 | 4.16 | 7.86 | 4.66 | 99.41 | 100.001 | 100.01 | 100.00 | 100.0 | 100.001 | • | | 0 | 0.001 | 0.001 |
| | 5.47 | 96 | 4.16 | 98.7 | 4.66 | 6 | 00.00 | 100.00 | 100.001 | 100.00 | 10000 | 0.001 | 100.0 | · | 0.001 | 00.00 |
| 9 | 24.5 | .96 | 4.16 | 98.7 | 4.66 | 99.4 | 100.001 | 100.001 | 100.001 | 100.0 | 100.001 | 0.001 | 100.0 | 0 | 10000 | 0.001 |
| | 24.5 | 96. | 4.16 | 98.7 | 4.66 | 49.66 | 10.001 | 100.00 | 100.001 | 0.001 | 100.001 | 0.001 | 0.001 | 100.0 | 0.001 | 0.001 |
| 171 | • | 96 | 4.16 | 98.7 | 4.66 | 99.41 | 100001 | 100.001 | 100.00 | 100.0 | 100.001 | 100.00 | 100.0 | 100 | 0.001 | 0000 |
| | | 96 | 4.16 | | | | 100.00 | 100.01 | | 0.001 | | 0 | | • | 0.001 | 0000 |
| 700 | | 96 | 4.16 | 98.7 | 4.66 | 99.41 | 0.001 | 100.00 | 0 | 100.001 | 100.001 | 00.00 | 0.001 | 100.0 | 0.001 | 0.00 |
| 81 | 24.5 | 96 | 4.16 | 1.86 | | 4 66 | | 0 | 0 | | 0.001 | 00.00 | 000 | 0000 | 0.00 | 0.00 |
| | • 1 | 10. | 401 | 100 | 179. | 17.7 | 100.001 | 1000 | 0001 | 0.001 | 000 | 200 | 2000 | 0.00 | 000 | |

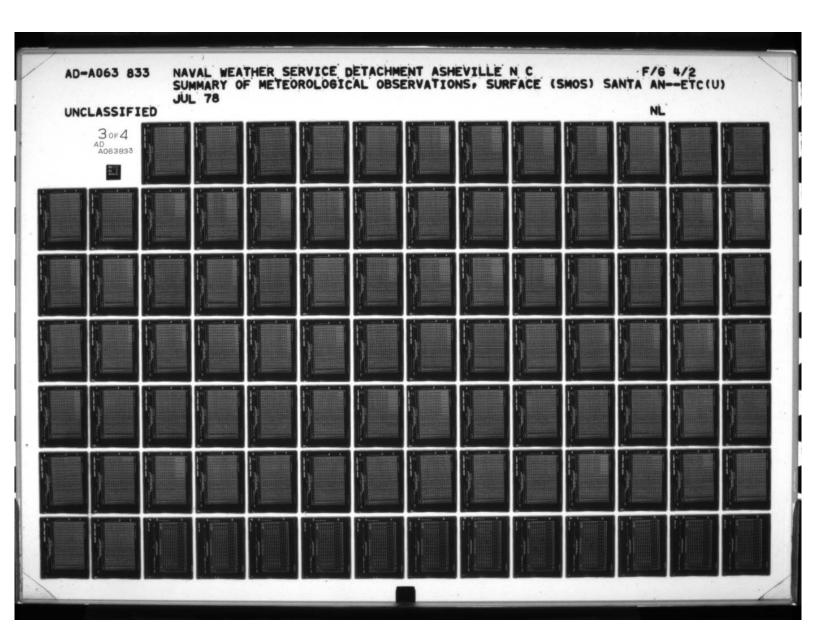
TOTAL NUMBER OF OBSERVATIONS

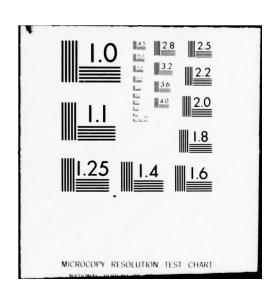
155

88118

SMOS DIRNAVOCEANMET

C CHACIN





NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

7.4 7.4

VI VI 0008 0008 0008

17.4

NO CEILING

> 20000

2 ٨١

(FEET)

4.7.

Y 14000

1.4

17.4

000 000 000

AI AI

18.7

2000

ALAI

18.7

5.1

19.4

4500

ALAI

4.61

4.67

19.4

2000

ALAL

0

20.0

3200

AI AI

21.3

2000

ALAI

20.7

21.3

1500

AI AI

21.3

21.3 21.3

88

AI AI

21.3

6113

800

AI AI

PERCENTAGE FREQUENCY OF OCCURRENCE

22

HOURS (L S T MAR MONTH

E

6.26 95.5 71.6 15.5 75.5 80.0 88.4 71.6 74.8 85.8 76.1 93.0 8.96 74.8 ٨١ 95.5 75.5 80.0 98.1 8.41 74.8 75.5 88.4 6.26 8.96 1.86 4.66 85.8 93.6 71.6 71.6 76.1 ۸۱ 4.66 74.8 95.5 98.1 4.66 76.1 93.6 8.96 14.8 80.0 80.0 4.88 6.76 7.66 69.7 0.17 1.6 71.6 14.8 15.5 85.8 1.86 2 5/16 93.6 85.8 75.5 6.26 95.5 4.66 74.8 76.1 88.4 8.06 1.86 4.66 69.7 69.7 98.1 4.66 75.5 75.5 2 ۸۱ 7106 71.6 74.8 85.8 93.6 4.66 76.1 80.0 6.26 4.66 88.4 14.8 95.5 98.1 0.1 1.86 7.66 15.5 * 71.6 71.6 75.5 6.26 1.86 71.0 1.0 14.8 74.8 80.0 85.8 88.4 95.5 4.66 4.66 76.1 93.0 8.96 98.1 4.66 69.7 15.5 69.1 ٨١ 74.8 71.6 71.0 71.6 69.7 11.6 74.8 75.5 75.5 80.0 92.9 93.6 74.8 85.8 1.69 76.1 96.8 1.86 4.66 4.66 1.86 75.5 88.4 95.5 4.66 69.7 ٨ſ VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 95.5 93.6 4.66 4.66 71.6 76.1 85.8 6.26 1.86 4.66 74.8 80.0 98.1 11.0 9.1/ 71.6 14.8 14.8 15.5 88.4 8.96 69.7 69.7 4.66 6.26 95.5 4.66 75.5 71.0 71.6 0.1 71.6 74.8 74.8 80.0 85.8 88.4 93.6 96.8 4.66 69.7 75.5 76.1 98.1 98.1 17 93.6 8.96 4.66 74.8 95.5 98.1 4.66 71.6 75.5 80.0 71.0 11.6 2.4/ 75.5 6.26 71.6 74.8 85.8 88.4 98.1 39.4 76.1 69.7 69.7 7 93.6 71.6 0.08 85.8 65.6 95.5 0.11 71.6 75.5 0.1 15.5 88.4 98.1 74.8 76.1 96.8 98.1 98.7 1.60 69 98. 98. 2 2% 71.6 1.86 11.6 71.6 75.5 88.4 93.6 95.5 8.96 75.5 80.0 85.8 6.26 74.8 76.1 1.86 74.8 74.8 7.86 7.86 98.7 ص ۱۸ 85.2 8.26 8.96 4.16 71.0 71.0 74.8 75.5 79.4 92.9 8. 76 96.8 4.16 0.17 74.2 1.96 4.76 69.7 1.69 74.2 14.8 1.69 10.3 74.2 87.7 ۸۱ 0.69 94.8 0.69 9.16 93.6 94.8 0.69 70.3 73.6 73.6 74.2 74.8 84.5 87.1 6.76 7.46 95.5 70.3 7.41 95.5 3.6 18. V) 0.69 93.6 93.6 0.69 74.2 91.6 0.69 70.3 70.3 73.6 13.6 74.2 74.8 84.5 87.1 92.3 34.5 34.5 8.76 8.46 8.76 10.3 73.6 78.7 69.7 ٨١

TOTAL NUMBER OF OBSERVATIONS

4.66

4.66

4.60

155

40.66

4.66

4.66

4.66

4.66

4.66

4.66

7.66

98.1

98.7

4.16

95.5

8.46

21.3

8 8

AI AI

21.3

88

ALAL

21.3

8.46 94.8 8.76

21.3

8.46

6.12

80

AI AI

21.3

88

AI AI

61.3

4.66

4.66

4.66

4.66

4.66

7.66

98.

98.7

97.4

4.66

4.66

4.66 4.66

98.

99.66

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

3898

ALL

| CEILING | | | | | | | VIS | VISIBIUTY (STATUTE MILES) | ATUTE MILI | S | | | | | | |
|------------|------|------|-------|------|------|------|------|---------------------------|------------|----------|------|------|------|--------|-------|------|
| (FEET) | 2 4 | 9 | 5 2 | 71 | 2 3 | 2 2% | 2.2 | ¥1.4 | 7 14 | - | AI | * AI | S Al | 2 5/16 | AI N | AI |
| NO CEILING | 21.0 | 55.9 | \$6.4 | 57.2 | 57.5 | 57.5 | 57.7 | \$7.9 | 51.6 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 00 |
| 3 20000 × | : | | - | 0 | | 0 | - | : | : | - | - | : | - | : | : | 7 |
| N 18000 | - | | 6 | 60.1 | 1.09 | | 61.1 | 61.5 | 61.5 | 61.9 | 62.0 | 0.29 | 65.0 | 95.0 | 5 | 62. |
| | : | 80 | | | | ċ | - | -: | -: | : | 5 | 2 | 7 | 2. | 2 | 2 |
| | 2. | | 6 | 60.3 | 61.0 | 61.1 | | -: | • | | | | 62.4 | 62.4 | 62.4 | 62.0 |
| > 12000 | 7 | 0 | 0 | | : | 61.9 | 65.3 | | 2 | 3 | 3 | 3 | | | | 63. |
| 1 | 2. | 0 | - | | | 63.1 | | 3 | | | | | 4.49 | 4.40 | 4.49 | 64. |
| 0006 | 2 | 0 | : | 62.2 | 3 | 63.1 | 63.5 | 63.8 | 63.9 | 4.49 | * | 4.49 | | 4.49 | | 64. |
| | 3. | - | 2. | | | 4.49 | | 5 | | | 63.9 | | | | | 99 |
| 7000 | 3 | 2 | 2 | 63.0 | 9.49 | * | 65.3 | | | | : | | | .0 | | |
| 1 | 3 | 2 | 3 | | | 65.1 | | 5. | | 9 | : | | | | | |
| 9000 | 3 | ~ | | 9.49 | | | 0 | ; | | • | - | | | 7 | | |
| | 3. | * | | | | | | | | | | | | | | 68. |
| 0007 | 3 | 3 | ; | | 00 | | | | | | | | | 0 | | 200 |
| | 4 | | 6 | | | - | | 2. | | 3 | 3 | | | 3. | | 73. |
| 3000 | | | 7. | | 0 | | • | 0 | | ċ | 0 | | | 0 | | 81. |
| 1 | 00 | - | 2 | 3. | * | * | | 5. | | | 3 | | | 9 | | |
| 7 2000 | 6 | 5 | - | | 89.5 | 6 | 0 | 6.06 | | | - | - | 91.5 | 91.5 | | 91. |
| 1 | 6 | . 9 | | 6 | 0 | 0 | | - | | - | 2 | | | 2. | | 92. |
| 1500 | | * | | - | 3 | 3 | ; | ; | | * | 3 | | | 3 | | 95. |
| | 5 | | 0 | 85.2 | | * | * | 5 | | 'n | 5 | ~ | 95.8 | 5 | | |
| 1000 | 8.62 | 6 | 61.3 | 3 | ; | 95.5 | | 96.4 | 96.5 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97. |
| | | 6 | : | 93.6 | | 3 | | | | - | - | | | 97.4 | | 97. |
| 008 | 6 | 6 | - | 93.7 | | 5 | 96.5 | 6.96 | | - | - | | | 97.7 | | |
| | 6 | 6 | - | 93.8 | 5. | 5 | | 0.76 | | - | 80 | | 1.96 | 1.86 | | 98. |
| 8 | 6 | | : | 93.8 | 95.4 | in | 96.0 | 97.1 | | | 8 | 98.3 | | 98.3 | | 98. |
| | 6 | 6 | 1.16 | 93.8 | 95.5 | 3 | | 8.16 | | | 00 | | 98.6 | | | . 66 |
| 8 | .6 | 6 | 91.7 | 63.9 | 93.6 | | | 97.4 | 4.16 | 98.4 | 8 | 98.1 | 1.86 | 98.7 | | 66 |
| | 6 | 6 | 1.16 | 0.76 | 95.7 | 96.1 | | 97.5 | 41.7 | | | 98.8 | 98.8 | 98.8 | 6 | 66 |
| 300 | | | 41.7 | 0.76 | 95.7 | | .9 | 97.5 | 7.16 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 30.66 | 66 |
| | | 6 | 1.16 | | 95.7 | 1.96 | | 97.8 | 41.1 | | 98.8 | 8.86 | 98.8 | 6.86 | 66.3 | 00 |
| 0 | 6 | 6 | 41.7 | 0.46 | 95.7 | 1.96 | 6.96 | 97.5 | 7.16 | | 98.8 | 98.8 | 98.8 | 98.9 | 88.3 | 00 |
| | | ĺ | | | | | | | | | | | | | | |

DOBNE OD MOON TAIO MUNICIANE CONSONER

TOTAL NUMBER OF OBSERVATIONS

1240

5899

SMOS DIRNAVOCEANMET

0

0

THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN CO

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93114

SANTA ANA, CALIFORNIA

APR 10

| PERCENIAGE TREGUENCI OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) | DESIGN ADDRESS ADDRESSA |
|------------------------------------|----------------------------|-------------------------|
| TENCEN AGE TREGUEN | (FROM HOURLY C | |

| CEILING | - | | | | | | | | | | | | | | | |
|------------|------|-------|------|------|------|------|------|-------|---------|-------|------|-------|------|--------|-------|-------|
| (MEE) | 91 | 4 | 5.5 | 71 | 21 | 2 2% | 1 2 | Y | 2 Al | Ā | * 1 | * 4 | S AI | 2 5/16 | AI | O AI |
| NO CEILING | 12 | 60.7 | 3. | 0.49 | | 0.49 | 54.7 | 64.7 | 54.7 | 64.7 | 64.1 | 64.7 | 64.1 | 64.1 | 65.3 | 65.3 |
| > 20000 | 12 | 50.7 | 3 | 64.0 | 94.0 | 0.49 | 54.7 | 64.7 | 64.7 | | 64.7 | 64.7 | 64.7 | 64.7 | 65.3 | 65.3 |
| | 12.7 | 50.7 | - | 0.49 | * | | 64.7 | 64.7 | 64.7 | 64.7 | 54. | 64.7 | 64.7 | 64.7 | 65.3 | 65.3 |
| 2 16000 | 12.7 | 2.09 | 63.3 | 0.49 | 94.0 | 64.0 | 64.7 | 64.7 | 54.7 | 1.49 | 64.7 | 64.7 | 64.7 | 64.7 | 65.3 | 65.3 |
| | 12.7 | 1.09 | - | 0.49 | 0.49 | 0.40 | 64.7 | 64. | 54.7 | 64.7 | 64.1 | 64.7 | 54.7 | 64.7 | 65.3 | 65.3 |
| 2 12000 | 12.7 | 60.7 | 53.3 | 0.49 | 64.0 | 0.99 | 64.7 | 64.7 | 64.7 | 64.7 | 54.7 | 64.7 | 64.7 | 64.7 | 65.3 | 65.3 |
| 1 - | 12.7 | 61.3 | 0.49 | 64.1 | | 64.1 | 65.3 | 65.3 | 55.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 0.99 | 0.99 |
| 800 | 12.7 | 61.3 | 0.49 | 64.7 | 1.49 | 64.7 | 3 | 65.3 | | 65.3 | 65.3 | 65.3 | 65,3 | 65.3 | 0.99 | 66.0 |
| | 12.7 | 62.7 | 65.3 | 0.99 | 999 | 0.99 | 56.7 | 1.99 | 1 - | 66.7 | 66.1 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 |
| 7000 | 12.7 | 62.7 | 65.3 | 0.49 | | | 1.99 | 66.7 | | 66.7 | 56.7 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 |
| 1 | 12.7 | 62.7 | 65.3 | 0.99 | | | 56.7 | 66.7 | | | 66. | 66.7 | | 66.7 | - | 67.3 |
| 2000 | 12.7 | 0.49 | 1.09 | | - | 67.3 | 68.0 | | 98.0 | | 68.0 | 0.89 | 68.0 | 68.0 | 68.7 | 68.7 |
| | 12.7 | 64.7 | 61.3 | 0.80 | 68.0 | | | 68.7 | | 123 | 68.1 | 0 | | 63.7 | 69.3 | 69.3 |
| 0007 | 12.7 | 56.7 | 69.3 | 70.0 | 70.0 | 70.0 | 7007 | 70.7 | 70.7 | 70.7 | 70.7 | _ | 70.7 | 70.7 | - | 71.3 |
| | 12.7 | 0.89 | 1001 | 71.3 | 71.3 | 11.3 | 2 | 72.0 | 72.0 | 72.0 | 72.0 | 72 | | 72.0 | 7 | 72.7 |
| 3000 | 12.7 | 70.1 | 73.3 | 74.0 | 74.0 | | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 75.3 | 75.3 |
| | 12.7 | 77.3 | 80.0 | 80.7 | 80.7 | 60. | | 81.3 | - | 81.3 | - | 81.3 | 81.3 | 81.3 | 92.0 | 82.0 |
| 7 2000 | 12.7 | 19.3 | 85.0 | 82.7 | 82.7 | 82.7 | 83.3 | 84. | 84.0 | | 4 | 84.0 | 84.0 | 84.0 | 84.7 | 84.7 |
| | 12.7 | 19.3 | 82.0 | 02.7 | 82.7 | 62.1 | 63.3 | 0.48 | | 84.0 | 4 | 0.49 | 84.0 | 84.0 | 84.7 | 84.7 |
| 8 | 12.7 | 84.0 | 87.3 | 88.0 | 88.0 | 0.88 | 88.7 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 90.0 | 90.0 |
| | 12.7 | 85.3 | 48.7 | 89.3 | 89.3 | 89.3 | 0.06 | 40.7 | 0 | 40.1 | 0 | 400.1 | 40.7 | 90.7 | 61.3 | 91.3 |
| 98 | 12.7 | 85.0 | 91.3 | 92.7 | 93.3 | 93.3 | | 4.7 | 94.7 | 94.7 | 24.7 | 7.46 | 94.7 | 94.7 | 95.3 | 95.3 |
| | 12.7 | 85.7 | 92.0 | 63.3 | 34.0 | 34. | | 0.96 | 0.96 | 0.96 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| 8 | 12.7 | 86.7 | 7.76 | 0.46 | 95.3 | 0.96 | 1096 | 97.3 | | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 98.0 | 98.0 |
| | 12.7 | 86.7 | 92.1 | 0.76 | 65.3 | | | | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 98.0 | 98.0 |
| 8 | 12.7 | 86.7 | 93.3 | 4.7 | 0.96 | 1.96 | 61.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 7.86 | 98.7 |
| | 12.7 | 86.7 | 43.3 | 1.56 | 9 | 1.96 | 2 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 7.86 | 98.7 |
| 84 A1 | N | 86.7 | 0.46 | 95.3 | 1.96 | 97.3 | 0.86 | 66.3 | 99.3 | 86.66 | 99.3 | 66.3 | 99.3 | 86.3 | 100.0 | 0001 |
| | (VI | 86.7 | 0.95 | 95.3 | 1.96 | 87.3 | 0.86 | 66.3 | 66.3 | 66.3 | 99.3 | 66.3 | 99.3 | 86.3 | 10000 | 0.001 |
| 700 | 12.7 | 36.7 | 0.46 | 95.3 | 1.96 | 97.3 | 98.0 | 66.3 | 99.3 | 66.3 | 66.3 | 66.3 | 86.3 | 89.3 | 10000 | 1000 |
| 81 | C | 299 | 0.06 | 98.3 | 1.96 | 6.74 | 0.86 | 66.66 | 6.66 | 66.3 | 39.3 | 86.3 | 66.3 | 66.3 | 10000 | 100.0 |
| | - | 4 4 4 | 90 | | | | | | ľ | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

150

56.1 58.7

58.7

54.0

53.3

53.3

50.0 52.0 52.0 52.0 52.0

52.0

50.0 52.0 52.0 52.0

0.8

Y 1400

50.0 52.0

VI VI 8000 0000 0000

52.7

20.1

50.7 52.7 52.1

0.0 9.0

50.7

53.3

2 5/16

53.3 24.0

24.0

24.0

52.

24.0

24.0

24.0

26.0

56.7 56.1 62.0

61.3

61.3

58.7

61.3

61.3

0.89 0.5/

78.7

78.0 0.4 68.0

78.0

79.3

79.3

82.7

82.7

81.3 34.0

81.3 0.48

80.7

83.3

83.3

6.64

8.7 8.7

9 9

AI AI

77.3

8.7

900

AI AI

87.3 88.0

87.3 88.0 88.7 89.3

86.7

86.7

82.0

0.87

76.7

76.7 78.0

76.0

76.0

72.7

8.7 8.7

2000

AI AI

8

77.3

77.3 80.7

72.1

70.0 72.7 72.7

66.7 12.

66.7

66.7

66.7

64.7

00

3000

AI AI

14.1

86.0

85.3 89.3

85.3 89.3

90.7 91.3

0.06

7.40

0.46

0.46

93.3

93.3

93.3

92.7

92.0

91.3

61.3

0.06

89.3

83.3

88.7

88.0

82.7

9

88

AI AI

88

AI AI

69.3

88.7

88.0

87.3

8.7

88

AI AI

87.3

82.0

24.7

0.46

93.3 0.56 0.46

92.7

63.3

4.7 94.7

95.3 95.3

61.3 0.46

91.3

90.7

1006

CEILING VERSUS VISIBILITY

SANTA ANA, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

\$0 APR

2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

1 2%

A

4

17

10

2

(FEET)

0

NO CEILING

¥ 20000

24.0 24.0 14.0 53.3 24.0 0.89 78.0 53.3 85.3 61.3 61,3 0.06 56.7 82.7 89.3 58.7 1006 56.7 58.7 26.0 26.0 67.3 77.3 58.0 0.06 1.09 7.09 7.09 89.3 89.3 53.3 53.3 53.3 58.0 82.0 82.0 55.3 73.3 88.7 53,3 52.7 60.7 78.7 84.7 1.06 52.1 * 58.0 58.0 53.3 0.06 26.0 26.0 77.3 78.7 1.09 67.3 73.3 88.7 53.3 84.7 82.0 89.3 55.3 58.0 58.0 60.7 73.3 52.7 56.0 56.0 67.3 58.0 77.3 78.7 0.06 53.3 56.0 88.0 68.7 90.7 34.7 ~ 58.0 17.3 89.3 0.06 55.3 20.0 73.3 67.3 82.0 53.3 50.7 60.7 84.7 88.7 78.7 177 58.0 26.0 26.0 89.3 53.3 53.3 67.3 88.0.88.0 52.7 58.0 77.3 0.06 60.7 73.3 78.7 60.7 60.7 84. 0.06 56.0 56.0 58.0 89.3 53.3 53.3 55.3 77.3 58.0 60.7 67.3 78.7 2002 88.7 52.0 52.7 13.3 82.0 52.7 53.3 52.0 52.0 52.0 52.7 7

57.3 57.3

55.3 57.3 57.3

57.3

57.3 57.3

57.3

58.3

8.0

9 9

AI AI

8

55.3

53.3 55.3 55.3

53.3

8.0 8.0

AI AI

The later of the l

0.0

55.3

54.7

0.09 0.09 0.00

0.09

58.0 60.0 58.0 60.0

8.7

989

AI AI

0.09

0.09

TOTAL NUMBER OF OBSERVATIONS

0.96

96.0

7.46

0.46

80

88

150

1400

0.96

96.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07 HOURS (1.5.T.) APR

=

| | ٨١ | 51.3 | 52.0 | 52.0 | 52.0 | 52.0 | 52.7 | 53.3 | 53.3 | 54.0 | 55.3 | 55.3 | 55.3 | 56.0 | 57.3 | 60.7 | 70.0 | | 80.0 | 81.3 | | 88.0 | 92.0 | 93.3 | 93.3 | 0.46 | 0.46 | 95.3 | 97.3 | 66.3 | 00.00 | 0000 | 000 |
|----------------------------|---------|------------|---------|------|---------|------|---------|------|--------|------|------|------|--------|------|------|------|-------|------|------|------|--------|------|------|------|-------------|------|------|------|------|------|-------|-------|-------|
| | N AI | 51.3 | 52.0 | | 52.0 | 22.0 | 52.7 | 53.3 | 53.3 | 24.0 | 55.3 | 55.3 | 55.3 | 0 | 57.3 | 0 | 0.07 | | 80.0 | | | | 92.0 | 63.3 | 93.3 | | 0.46 | 2 | 97.3 | 1.86 | 99.31 | 99.31 | 99,31 |
| | ≥ 5/16 | | 52.0 | 2. | 52.0 | | | 53.3 | | | 55.3 | | | 0 | - | 0 | 70.0 | * | 0 | 81.3 | 86.7 | 8 | 5 | 3. | 93.3 | | | 2 | | _ | 98.7 | 1.86 | 18.1 |
| | Z. | 51.3 | 52.0 | 92.0 | 95.0 | 95.0 | 52.7 | 53.3 | 53.3 | 24.0 | 55.3 | 55.3 | 55.3 | 20.0 | | | 0.0 | 0.4 | 0.0 | 1.3 | 6.7 | 8.0 | 95.0 | 63.3 | 93.3 | 0.46 | 0 | 65.3 | | 1.86 | | 48.7 | 1.96 |
| | * | - | 52.0 | | 52.0 | | 52.7 | 53.3 | 53.3 | 24.0 | 55.3 | 55.3 | 55.3 | | 57.3 | 0 | 70.0 | * | | 81.3 | | | 95.0 | 63.3 | 63.3 | | 0.46 | 699 | 97.3 | 0.86 | 0.86 | | 0.86 |
| | N N | 51.3 | 52.0 | 22.0 | 52.0 | 25.0 | 52.7 | - | 53.3 | • | 55.3 | • | 5 | • | 57.3 | 1.09 | 10.0 | | 80.0 | : | ; | | 95.0 | 3 | 93.3 | | 0.46 | 65.3 | 1.96 | 61.3 | 61.3 | 6.76 | 61.3 |
| (\$ | - AI | - | 52.0 | 52.0 | 52.0 | 52.0 | 52.7 | 3. | 53.3 | 4 | 55.3 | 3 | | 9 | - | | 70.0 | | 0 | - | • | 00 | 2 | | 3 | * | 4 | | | - | 97.3 | 61.3 | 6.16 |
| VISIBILITY (STATUTE MILES) | ¥1 ¥ | 4 | 52.0 | | • | 95.0 | 52.7 | _ | 53.3 | 24.0 | 55.3 | 55.3 | 55.3 | 20.0 | 57.3 | | 70.0 | | | 81.3 | 86.7 | 0.88 | 91.3 | N | | 63.3 | 63.3 | 4.7 | 95.3 | 95.3 | 65.3 | 62.3 | 62.3 |
| BILITY (STA | ¥1 ¥ | 1: | 52.0 | 52.0 | 52.0 | 52.0 | 2 | 53.3 | 3 | 24.0 | 55.3 | 5 | 55.3 | | 57.3 | 0 | 10.07 | | | 81.3 | | 0.88 | - | 92.7 | 45.7 | 63.3 | 63.3 | 1.96 | 95.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| VISIA | 7 7 | 1: | 52.0 | • | • | 52.0 | 52.7 | 53.3 | 53.3 | 24.0 | | 55.3 | 55,3 | 26.0 | 57.3 | 1.09 | 70.0 | ; | 80.0 | | 86.7 | 88.0 | 2.06 | | 5 | | • | 65.7 | 7.26 | | 92.7 | 1.26 | 92.7 |
| | ≥ 2% | 0 | 50.7 | | 20.1 | | | 25.0 | 52.0 | 25.1 | 24.0 | 24.0 | | 5 | • | 6 | | | 78.7 | 0.08 | 3 | | 28.7 | | 0 | 0.06 | 0 | 1.06 | 60.7 | 1.06 | 90.7 | 1.06 | .06 |
| | e Al | 50.0 | 50.7 | 50.7 | 50.7 | 20.7 | | 25.0 | 52.0 | 25.7 | 24.0 | 24.0 | 54.0 | | 96.0 | 59.3 | 68.7 | 75.1 | | 80.0 | 85.3 | | 88.7 | | | 0.06 | 0 | 1.06 | | 1.06 | | 1.06 | 1.06 |
| | 4 | 20.0 | 20.1 | 50.7 | 20.1 | 20.7 | 51.3 | 52.0 | 55.0 | 52.7 | 24.0 | 24.0 | 54.0 | 24.1 | 26.0 | 29.3 | 0.89 | 72.0 | 77.3 | 18.1 | 84.0 | 84.7 | 85.3 | | 86.7 | 86.7 | 86.7 | | 86.7 | | 86.7 | 86.7 | 96.7 |
| | V VI | | 0 | 0 | 20.0 | 0 | ô | 20.1 | 20.1 | 51.3 | 52.7 | | 52.7 | | 24.7 | 58.0 | | | | 0.97 | 80.7 | 81.3 | 85.0 | | 82.7 | 1.79 | 82.7 | 1.28 | 82.7 | 82.7 | 32.7 | 1.28 | 1.78 |
| | 9 AI | .3 | 0 | 0 | | 0 | 0 | | 46.7 | .3 | 0 | 0 | 0 | - | 0 | | 6. 7 | : | | 0.0 | 0.4 | 4.7 | | 0.9 | 0.0 | 0.9 | 0 | | | | 16.0 | | 0.91 |
| | 2 | 0 | 16.7 | 16.7 | 16.7 | 16.7 | | | 17.3 | | | | 17.3 | 0.81 | CO | 100 | 21.3 | N | 23.3 | 23.3 | 3. | 23.3 | | 23.3 | 3 | 23.3 | 3 | 3 | 3. | 23.3 | 23.3 | 3. | 23.3 |
| CEILING | (FEET) | NO CEILING | ≥ 20000 | | 00091 4 | | ≥ 12000 | | > 9000 | | 7000 | | 2 2000 | | 141 | | 3000 | | 2000 | | > 1500 | | 1000 | | 00 8 | | 8 | | N 40 | | 38 | 8 | |

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

73-77

=

| S N | | | | PERCE | FROM | FREQUE | UENC) | FERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | OCCUP VITIONS | S) | | | | | 01 | |
|-------------|------|-----|------|-------|------|--------|-------|---|------------------|-------|---------|------|--------|--------|-------|------|
| (FEET) | 0 4 | 9 | 5 41 | , AI | 5.3 | 2 2% | 2 Al | VI 74 | ¥1 ¥1 | Ā | N AI | * | Z AI | 2 S/16 | AI N | 0 11 |
| NO CEILING | × | : | 0.94 | 0.84 | 48.1 | 0.06 | 52.0 | 25.0 | 52.0 | 52.0 | 52.0 | 0.26 | 25.0 | 52.0 | 52.0 | 52.0 |
| 2 20000 | 6 | | | 66.3 | 30.0 | 51.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| V 18000 | 6 | | 47.3 | 30.0 | 50.7 | 52.0 | 24.0 | 24.0 | 24.0 | 54.0 | 24.0 | 24.0 | 34.0 | 24.0 | 24.0 | 54.0 |
| 14 | 19.3 | | 47.3 | 50.0 | 50.7 | 52.0 | 54.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| | | | 47.3 | 20.0 | 50.7 | 52.0 | 24.0 | 24.0 | 24.0 | 54.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| 2 12000 | | : | 48.7 | 51.3 | 52.0 | 53.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| | 0 | | 49.3 | 52.0 | 52.1 | 24.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 20.0 |
| 0000 | 0 | | 49.3 | 95.0 | 52.7 | 24.0 | 56.0 | 20.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 20.0 |
| | 0 | | 50.7 | 53.3 | 24.0 | 55.3 | 57.3 | | 57.3 | 1 | 57.3 | 57.3 | 51.3 | 57.3 | 57.3 | 57.3 |
| 7000 | 0 | | 51.3 | 24.0 | 54.7 | 26.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 28.0 | 58.0 |
| 1 | 0 | | 52.0 | 54.7 | 55.3 | 26.1 | 58.7 | 58.7 | 58.7 | 58.7 | 38.1 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| 0005 | 0 | | 54.0 | 56.7 | 57.3 | 58.7 | 1.09 | 60.7 | 2.09 | 60.7 | 2.09 | 2009 | 60.7 | 60.7 | 6007 | 40.7 |
| | 0 | | 24.0 | 56.7 | 57.3 | 28. | 1.00 | 1.09 | 60.7 | 1.09 | 1.09 | 2009 | 60.7 | 60.7 | 60.7 | 60.1 |
| 90 | 0 | | 54.7 | 57.3 | 58.0 | 59.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| 1 | | | 57.3 | 0.09 | 1.09 | 65.0 | 0.40 | 0.49 | 0.99 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| 3000 | ; | | 66.7 | 0.01 | 70.7 | 72.0 | 74.0 | 74.0 | 24.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 1 - | | | 76.0 | 79.3 | 80.0 | 61.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 1 2000 | - | | | 84.7 | 85.3 | 86.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 1 | | | 81.3 | 3 | 86.7 | 0.89 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 90.0 | 0.06 | 90.0 | 90.0 |
| 1500 | | | 86.0 | 91.3 | 1.26 | 0.46 | 1.96 | 1.96 | 1006 | 1.96 | 1.96 | 1.96 | 96.7 | 196.1 | 96.7 | 96.7 |
| | 33 | | 86.0 | 91.3 | 92.7 | 0.46 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 1000 | | | | 61.3 | 45.7 | 0.46 | 0.86 | 98.7 | 18.1 | 98.7 | 1.86 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 006 1 | 90 | | 86.0 | 91.3 | 92.7 | 0.46 | 98.0 | 98.7 | 63.3 | 66.3 | 99.3 | 66.3 | 66.3 | 99.3 | 99.3 | 99.3 |
| 00 A | | | | 91.3 | 92.1 | 1.56 | 1.86 | 99.31 | 00.00 | 00.00 | 00.00 | 000 | | 1000 | 00 | 0000 |
| | | | | 6116 | 92.7 | 1.46 | 98.7 | | 10000 | | 0.0010 | 8 | | 100.0 | 00 | 0000 |
| 8 | | | | 91.3 | 92.7 | 1.76 | 1.86 | .31 | 100.00 | 00.00 | 00.00 | 0000 | 0,0010 | 100.0 | 100.0 | 0000 |
| | | | 86.0 | 6116 | 1.26 | 1.76 | 69.7 | 9.31 | 0000 | 0 | 10.00 | 000 | 100.0 | 100.0 | 100.0 | 0000 |
| 00 7 | 00 | | | 91.3 | 92.7 | 1.56 | 1.86 | 99.31 | 00.00 | 0.0 | 100.001 | 00 | | 100.0 | 0000 | 0000 |
| 88 | | | | 91.3 | 92.7 | 24. | 1.86 | 99.3 | 000 | 0 0 | 000.001 | 0 0 | 0.000 | 0000 | 0000 | 000 |
| | | | • | 6.76 | | | | 2000 | 0.00 | 000 | 200 | 2 | | | | 000 |
| 80 | 28 | 300 | 000 | 91.9 | 92.7 | 24.7 | 98 | 99.31 | 000 | 000 | 000 | 000 | 1000 | 000 | 000 | 000 |
| 1 | 1 | м | 2 | | | | | | 1 | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

APR

| | | | _ | PERCE | (FROM | FREG | UENC LY OB | Y OF O | PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | RENC 3) | ш | | | | Nouns | |
|-------------------------|------|------|------|-------|-------|------|---------------|-------------|---|------------|---------|-------|-------|--------|-------|-------|
| CEILING | | | | | | | VIS | IBILITY (ST | VISIBILITY (STATUTE MILES) | (\$3 | | | | | | |
| (FEET) | 5 | 9 11 | \$ 1 | AI AI | 1 3 | ≥ 2% | 2 4 | ¥1 ¥ | ¥1 ¥ | - AI | % Al | * Al | N S | 2 5/16 | N AI | 0 1 |
| NO CEILING | | 26.0 | 62.0 | 62.7 | 65.3 | 1.99 | 1.99 | 1.09 | 1.99 | 1.99 | 1.99 | 1.00 | 1.00 | 1.99 | 1.99 | 1.99 |
| 1 20000 | - | 29.3 | | 66.7 | 70.0 | 12.0 | 72.0 | 72.0 | 12.0 | 72.0 | 72.0 | 12.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| VI VI 0008 1 4000 | 27.3 | 000 | 200 | 67.9 | 70.7 | 720 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| | | 1.09 | : | 0.89 | 71.3 | 12.1 | 73.3 | 73.3 | 13.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 12000 | | 2.09 | 1.99 | 68.0 | 71.3 | 72.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 0001 1 | | 62.0 | 0.89 | 70.07 | 73.3 | 74.7 | 75.3 | 75.3 | 75.3 | 78.3 | 75.3 | 75.3 | 75.3 | 25.3 | 75.3 | 75.3 |
| | | 62.0 | | 10.0 | 73.3 | 14.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| N N | | 62.0 | 68.0 | 70.0 | 73.3 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 1 | 1 - | 62.0 | | 70.0 | 73.3 | 14.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 15.3 | 75.3 | 15.3 | 75.3 | 75.3 |
| 0005 | - | 0.49 | 70.0 | 72.0 | 75.3 | 76.7 | 77.3 | 77.3 | 17.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 1 | | 0.49 | 10.0 | 72.0 | 75.3 | 16.1 | 77.3 | 77.3 | 17.3 | 77.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 77.3 |
| 7 4000 | - | 0.99 | 72.0 | 74.0 | 77.3 | 78.7 | 79.3 | 79.3 | 19.3 | 79.3 | 79.3 | 79.3 | 79.3 | 19.3 | 79.3 | 79.3 |
| 1 | | 0.89 | 14.0 | 16.0 | 79.3 | 30.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 61.3 | 81.3 | 61.3 | 81.3 | 81.3 |
| 3000 | | 73.3 | 79.3 | 81.3 | 84.7 | 96.0 | 36.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 2 2500 | | 18.0 | 1.58 | 86.7 | 0.06 | 91.3 | 95.0 | 95.0 | 92.0 | 92.0 | 95.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| | | 82.7 | 86.3 | 91.3 | 94.7 | 96.0 | 1006 | 46.7 | 1.96 | 96.7 | 1.96 | 96.1 | 96.7 | 96.7 | 1096 | 196.1 |
| | | 83.3 | 0.06 | 95.0 | 95.3 | 96.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 1 1300 | | 65.3 | 92.0 | 0.46 | 97.3 | 78.7 | • | 99.9 | 99.3 | 60.3 | 6000 | 99.3 | 6000 | 99.3 | 94.3 | 99.3 |
| VIV | | 3 00 | 92.0 | 0.46 | 97.3 | 0 00 | 99.3 | 100 | 100.00 | 0000 | 100.0 | - | - | 100.0 | 100.0 | 100.0 |
| | | 65.3 | | 0.46 | 97.3 | 98.7 | 99.3 | 0.001 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 8 | | 85.3 | | 0.46 | 97.3 | 7.86 | 66.3 | 100.0 | 100.00 | 0.00 | 100.001 | | 100.0 | - | 100.0 | 100.0 |
| 1 | | 85.3 | 0.26 | 0.46 | 61.3 | 98. | 66.3 | 0.001 | 100.0 | 10.00 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 8 | | 85.3 | 0.26 | 0.46 | 97.3 | 98.7 | 80.66 | 100.00 | 100.001 | 0000 | 0100.0 | 100.0 | 100.0 | - | 100.0 | 10001 |
| | | 89.3 | 95.0 | 0.76 | 61.3 | 186 | 86.3 | 0.00 | 100.00 | 0 | 100 | - | 100.0 | 4 | 100.0 | 10000 |
| | | 83.3 | 95.0 | 0.56 | 97.3 | 98.7 | 86.3 | 100.00 | 100.001 | 0.001 | - | - | | - | 100.0 | 100.0 |
| | | 85.3 | 0.76 | 0.46 | 61.3 | 18. | 6.66 | 0.001 | 100.0 | 0 | 100.0 | 100.0 | • | 100.0 | 10000 | 10000 |
| 14 | - | 88.3 | 92.0 | 0.46 | 61.3 | 98.7 | 666 | 000 | 000 | 0.00 | - | 0001 | 0000 | 0000 | 0.001 | 0000 |
| | | 600 | 0.7 | 0.5 | 41.0 | 100 | 6.66 | 000 | 0.001 | 0.001 | 0.001 | 0.001 | 000 | 1000 | 0000 | 0000 |
| 0 | | 85.3 | 95.0 | 3.46 | 61.3 | 98. | 66.3 | 100.001 | 100.001 | 0.00 | 100.0 | 10000 | 100.0 | 100.0 | 100.0 | 100.0 |

150

TOTAL NUMBER OF OBSERVATIONS

93114

0.0010.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE

73-77

APR -16

3888

| | | | | - | FROM HOURLY | HOUR | | SERVA | OBSERVATIONS | (6 | | | | | S 1) Sanon | - |
|------------|------|---------|------|------|-------------|------|---------|-------------|----------------------------|---------|---------|--------|---------|--------|------------|------|
| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES) | | | | | | |
| (1667) | N 20 | 9 Al | 8 41 | 4 | E AI | ≥ 2% | 12 2 | VI 74 | VI VI | - AI | % Al | * | S VI | ≥ 5/16 | N N | 0 11 |
| NO CEILING | 30.7 | 67.3 | | 71.3 | 72.7 | 13.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 13.3 | 13.3 | 73.3 | 73.3 | 73.3 |
| ≥ 20000 | | 70.0 | | 74.7 | 76.0 | 76.7 | | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| | | 71.3 | | 76.0 | 77.3 | 78.0 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 16000 | | 71.3 | | 76.0 | 77.3 | 78.0 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.1 | 78.7 | 78.7 |
| | 32.0 | 72.7 | | 77.3 | 78.7 | 19.3 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 7 12000 | | 73.3 | | 78.0 | 19.3 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| | 34.7 | 73.3 | | 78.0 | 19.3 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 000 | 32.7 | 73.3 | | 78.0 | 19.3 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| | | 73.3 | | 78.0 | 79.3 | 0.08 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 700 | 32.7 | 73.3 | | 78.0 | 79.3 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 1 | 32.7 | 73.3 | 1 | 78.0 | 79.3 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 200 | 32.7 | 74.0 | | 78.7 | 80.0 | 80.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| | | 74.7 | 1 | 79.3 | 80.7 | 81.3 | 85.0 | 82.0 | 82.0 | 82.0 | | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 141 | 32.7 | 74.7 | 78.0 | 79.3 | 80.7 | 81.3 | 82.0 | 82.0 | 82. | 82.0 | 85.0 | 85.0 | 85.0 | 82.0 | 82.0 | 82.0 |
| | | 1 | 1 | 82.0 | 83.3 | 0.40 | 84.7 | 84.7 | 84.7 | 84.7 | 84.1 | 1.98 | 84.7 | 84.7 | 84.7 | 84.7 |
| 300 | 34.7 | | | 89.3 | 40.4 | 61.3 | 0.26 | 0.26 | 95.0 | 92.0 | 0.26 | 95.0 | 95.0 | 92.0 | 95.0 | 95.0 |
| 1 | | | 1 | 93.3 | 1.56 | | | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | | 0.96 | 0.96 |
| 7000 | | | | 0.96 | 97.3 | 98.0 | 98.7 | 1.86 | 7.86 | 7.86 | 7.86 | 28.7 | 98.7 | 98.7 | 1.86 | 98.7 |
| | | 1 | 1 | 0.96 | 97.3 | 0.86 | 98.7 | 48.7 | 48.7 | 68.7 | 1.86 | 1.86 | 48.7 | 98.7 | 7.86 | 98.7 |
| 1500 | | | | 1.96 | 0.86 | 98.7 | 66.3 | 66.3 | 86.3 | 66.3 | 66.3 | 66.3 | 66.3 | 99.3 | 88.3 | 66.3 |
| | | | 1 | 1.96 | 1.86 | 66.3 | 100001 | 00.00 | 0.001 | 0000 | 0.001 | 00.00 | 00.00 | 0000 | 100.00 | 0000 |
| 100 | | | | 1.96 | 1.86 | 99.3 | 100.001 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0000 | 100.001 | 0.00 |
| | | | | 1.96 | 98.7 | 66.3 | 100001 | 00.00 | 100.00 | 0.001 | 0.001 | 0000 | 0000 | 0000 | 100.001 | 0000 |
| 8 | | | - 1 | 1.96 | 98.7 | 86.3 | 100.001 | 100.00 | 100.00 | 0.001 | 100.001 | 100.00 | 00.00 | 0.001 | 100.00 | 000 |

TOTAL NUMBER OF OBSERVATIONS

7.86

7.96

7.06 100

35.3 35.3

88

ALAI

1.86

96

95.3

80

AI AI

98.7 98.

7.96 1.96

7.06

88

AI AI

90.7

35.3 35.3 35.3

88

AI AI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

19 119 MON APR

=

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES) | | | | | | |
|------------|------|----------|------|------|------|--------|---------|-------------|----------------------------|---------|---------|--------|--------|---------|-------|------|
| (FEET) | 2 | 9 | 8 | 4 | e Al | Y 21/2 | 14 2 | V 1% | ¥1 %1 | - AI | % Al | * | Z AI | ≥ 5/16 | NI NI | ٨١ |
| NO CEILING | 2 | | 10.1 | 72.7 | 72.1 | 13.3 | 0.4/ | 0.1 | 0.41 | 14.0 | 0.41 | 14.0 | 0.41 | 0.01 | 0.01 | 0.41 |
| > 20000 | 23.3 | | 72.7 | 74.7 | 74.7 | 75.3 | 76.0 | 16.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 16.0 | 0.94 |
| | 3 | | 72.7 | 74.7 | 74.1 | 15.3 | 76.0 | 0.9/ | 16.0 | 76.0 | 16.0 | 16.0 | 16.0 | 16.0 | 0.9 | 76.0 |
| 14000 | 23.3 | 70. | 72.7 | 74.7 | 74.7 | 75.3 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 16.0 | 76.0 | 76.0 | 76.0 | 16.0 |
| | 23.3 | .01 | 12.7 | 74.1 | 14.1 | 15.3 | 76.0 | 76.0 | 0.9 | 16.0 | 16.0 | 0.91 | | 16.0 | 0.9/ | 16.0 |
| 7 12000 | 23.3 | | 72.7 | 74.7 | 74.7 | 78.3 | 76.0 | 16.0 | 76.0 | 76.0 | 16.0 | 76.0 | 76.0 | 1600 | 76.0 | 16.0 |
| | 23,3 | | 12.1 | 14.1 | 14.1 | 15.3 | 16.0 | 0.01 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 000 | 23.3 | - | 72.7 | 74.7 | 74.7 | 75.3 | 76.0 | 76.0 | | 16.0 | 76.0 | 76.0 | 76.0 | 76.0 | 16.0 | 76.0 |
| 1 | 23.3 | | 15.7 | 14.1 | 14.1 | 15.3 | 76.0 | 16.0 | 16.0 | 16.0 | 76.0 | 16.0 | 0.9/ | 16.0 | 16.0 | 0.9 |
| 1 1 1000 | 23.3 | 71.3 | 73.3 | 78.3 | 75.3 | 76.0 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 70.7 | 76.7 |
| 1 | 23.3 | 72. | 14.0 | 0.91 | 16.0 | 16.1 | 77.3 | 11.3 | 17.3 | 77.3 | 17.3 | 17.3 | 11.3 | 17.3 | 17.3 | 71.3 |
| 2000 | 24.0 | | 75.3 | 77.3 | 77.3 | 78.0 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| | 24.0 | | | 77.3 | 17.3 | 78.0 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 141 | 24.0 | | 77.3 | 79.3 | 19.3 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 1 | 24.0 | 1 | 79.3 | 81.3 | 81.3 | 82.0 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 3000 | 25.3 | | 86.0 | 88.0 | 88.0 | 88.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 1 | 25.3 | 1 | 89.3 | 61.3 | 61.3 | 95.0 | 92.7 | 45.7 | 92.7 | 92.7 | 45.7 | 1.26 | 1.76 | 92.7 | 1.26 | 45.7 |
| 171 | 25.3 | 68.0 | 1.06 | 93.3 | 63.3 | 0.46 | 1.96 | 1.76 | 7.56 | 4.7 | 1.96 | 24.7 | 4.7 | 1.56 | 1.46 | 1.76 |
| | 25.3 | 1 | 1.06 | 93.3 | 63.3 | 0.46 | 1.46 | 1.76 | 1.76 | 4.7 | 1.46 | 1.56 | 1.56 | 1.46 | 1.96 | 1.56 |
| 1300 | 25.3 | | 93.3 | 0.96 | 0.96 | 1.96 | 97.3 | 61.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 61.3 | 97.3 |
| 1 | 25.3 | 1 | 63.3 | 0.96 | 1.96 | 61.3 | 0.86 | 98.0 | 98.0 | 98.0 | 0.86 | 0.86 | 0.06 | 0.86 | 0.86 | 0.86 |
| 141 | 25.3 | | 0.46 | 1.96 | 97.3 | 98.01 | 100.001 | 100.00 | 100.001 | 100.001 | | | 100.00 | 100.00 | 9 | 0.00 |
| | 23.3 | 1 | 0.46 | 1.96 | 61.3 | 0.86 | 10.001 | 10.00 | 100.00 | 0000 | | 100.00 | | 10.00 | 0 | 0000 |
| 8 | 25.3 | | 0.46 | 2.96 | 61.3 | 98.01 | 100.001 | 100.00 | 100.00 | 10000 | 100.001 | 100.00 | 0 | 100.00 | 00.00 | 0.00 |
| | 25.3 | 1 | 0.46 | 1.96 | 97.3 | 98.0 | 10.00 | 100.00 | 100.00 | 0000 | 100.0 | 00.00 | 0.001 | 100.001 | 0000 | 0.00 |
| 8 | 25.3 | | 0.46 | 1.96 | 97.3 | 98.01 | 100001 | 100.00 | 100.00 | 0 | 100.001 | 100.00 | 100.00 | 100.00 | | 0.00 |
| | 25.3 | | 0.06 | 1.96 | 61.3 | | 10.00 | 10.00 | 10.001 | 0000 | 100.001 | 100.00 | | 10000 | 10.00 | 0.00 |
| VI 40 | 25.3 | | 0.46 | 1.96 | 97.3 | 98.01 | 100.001 | 100.00 | 100.001 | 0.0 | | | 100.00 | 100.00 | 0 | 0.00 |
| 38 | 25.3 | | 0.96 | 1.96 | 61.9 | 8.0 | 10.001 | 00.00 | 10.001 | 0.0 | 100.0 | 6.001 | 0000 | 10.00 | 0 | 0.00 |
| 14 | 43.3 | 0 | | 1.96 | 97.3 | 78.01 | 100001 | 00.00 | | 0.0 | 00.00 | 00.00 | 0000 | 00.00 | • | 000 |
| VI. | 25.3 | - | | 200 | : | 000 | 10000 | 00.00 | | 0 | 000 | • | 0 | 00.00 | • | 0.00 |
| | 63.3 | 10. | 34.0 | 1004 | 6.16 | 10.00 | 10.001 | 00.00 | 00.00 | 0000 | 100.00 | 000 | 0.001 | 0000 | 00.00 | 0.00 |

0

TOTAL NUMBER OF OBSERVATIONS

150

===

CEILING VERSUS VISIBILITY

73-77

CALIFORNIA

ANA

SAHTA

PERCENTAGE FREQUENCY OF OCCURRENCE

TEARS

T S T) SUNON -22

2

| | | | | _ | FROM | FROM HOURLY | | SERVA | OBSERVATIONS | <u>@</u> | | | | | | |
|------------|------|---------|------|-------|------|-------------|---------|--------------|---------------------------|----------|-------|-------|-------|--------|-------|-------|
| CEILING | | | | | | | VIS | IBILITY (ST. | VISIBILITY (STATUTE MILES | ES) | | | | | | |
| (FEET) | N V | ۰ ۸۱ | N AI | 4 | e Al | Y 2% | 71 | N 1% | ¥1 ¥1 | - AI | N N | * 11 | N % | ≥ 5/16 | AI | 0 1 |
| NO CEILING | 16,7 | 69 | 69.3 | 70.0 | 70.0 | 0.07 | 70.0 | 70.0 | 70.0 | 70.0 | 10.0 | 10.0 | 0.0 | 10.0 | 10.0 | 10.0 |
| ¥ 20000 | 16.7 | 70 | 70.0 | 70.7 | 70.7 | 70.7 | 7007 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 18000 | 16.7 | 70 | 70.0 | 70.7 | 70.7 | 10.1 | 7007 | 70.7 | 70.7 | 7007 | 10.1 | 1001 | 10.7 | 10.1 | 10.1 | 70.7 |
| ≥ 16000 | 16.7 | 10 | 70.0 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| | 16.7 | 70 | 70.0 | 70.7 | 70.7 | 10.1 | 7007 | 70.7 | 70.7 | 7007 | 70.7 | 10.7 | 10.1 | 10.1 | 70.7 | 70.7 |
| ≥ 12000 | 16.7 | 10 | 70.0 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 7007 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| | 16.7 | 70 | 10.7 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 11.3 | 11.3 | 71.3 | 71.3 | 71.3 |
| 000 AI | 16.7 | 70 | 70.7 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 1 | 16.7 | 10 | 70.7 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 7000 | 16.7 | 70 | 70.7 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 1 | 16.7 | 1 | 71.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 2000 | 16.7 | 71 | 71.3 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| | 16.7 | 72 | 72.0 | 73.3 | 73.3 | 73.3 | | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 1 4000 | 16.7 | 74 | 74.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| | 16.7 | 16 | 76.0 | 77.3 | 77.3 | 17.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 17.3 | 77.3 | 17.3 | 77.3 |
| 3000 | 16.7 | 78 | 79.3 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 1 | 16.7 | 83 | 84.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 7 2000 | 17.3 | 86 | 87.3 | 88.7 | 89.3 | 86.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 1 | 17.3 | 86 | 87.3 | 88.7 | 69.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 1500 | 17.3 | 88 | 6.16 | 92.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 63.3 | 63.3 | 63.3 | 93.3 | 93.3 | 93.3 |
| | 17.3 | 80 | 92.7 | 0.46 | 94.7 | 94.7 | | 1.76 | 6.7 | 64.7 | 1.76 | 4.7 | 1.56 | 64.7 | 1.46 | 1.76 |
| 1000 | 17.3 | 06 | 0.46 | 95.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 9800 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| | 17.3 | 06 | 0.46 | 68.3 | 98.0 | 0.86 | 98.0 | 0.86 | 0.86 | 0.86 | 0.86 | | 0.86 | 0.86 | 0.86 | 98.0 |
| 8 | 17.3 | 90 | 0.46 | 0.96 | 98.7 | 98.7 | 98.7 | 7.86 | | 7.86 | 48.7 | | 1.86 | 1.86 | 7.86 | 98.7 |
| | 17.3 | 90 | 0.46 | 1.96 | 66.3 | 86.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 6.66 | 66.3 | 66.3 | 99.3 |
| 8 | 17.3 | 06 | 0.46 | 496.7 | 66.3 | 66.3 | 99.3 | 66.3 | 88.3 | 66.3 | 66.3 | 66.3 | 66.66 | 66.3 | 86.66 | 66.66 |
| | 17.3 | 06 | 0.46 | 1.96 | 66.3 | 66.3 | 100.0 | 00.00 | 100.001 | 100001 | 00.00 | 10.00 | 00.00 | 00.00 | 00.00 | 0000 |
| 14 | 17.3 | 90.0 | 0.96 | 1.96 | 66.3 | 66.3 | 100.001 | 100.00 | 100.001 | 100001 | 00.00 | 00.00 | 00.00 | 00.00 | 00.00 | 0.00 |
| | - | | 1 | 1 | 1 | 7 | - | - | - | - | A W | | - | - | - | - |

7 4 90

TOTAL NUMBER OF OBSERVATIONS

66.3

66.3

1.96

0.46 0.46 0.06

0.06

17.3

80

AI AI

17.3

66.3

7.96 0.46 1.96

1.96 0.96

0.06 0.06

17.3 17.3

88

150

3980

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

93114

0

0

0

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MOUSE (LST.) APR

| | O AI | 63. | | 2 | | | | 99 | 61. | 67. | 68. | 69 | 69 | | 73. | | 85. | 88 | 89. | 93. | . 76 | 96 | 97. | 97. | 97. | 86 | 98. | 66 | | 96. | | 00. |
|---------------------|--------|---------|-----|------|-----|------|-------|--------|------|-----|------|------|------|-------|------|------|-------|--------|-------|--------|------|------|-----|-----|-----|-----|-----|------|-----|-----|-------|-------|
| | × 1 | 1. | - | | | : | | 9.99 | - | - | : | 6 | 6 | : | 3. | | | | 6 | 3 | 4 | 9 | | - | - | 8 | 8 | | 6 | 6 | 6 | |
| | 2 5/16 | E . | : | | - | | 2 | 66.5 | 1 | - | : | 6 | 6 | - | 3. | 6 | 4 | 8 | 5 | 3. | * | . 9 | - | - | : | 8 | | 0.66 | 6 | | 6 | 86.3 |
| | 2 1 | 20 | | 20 | | 0 | | 96.5 | 2. | • | 8 | -: | 3. | 0 | 0 | 4 | | 8 | . 3 | - | 7. | 9. | 7. | | 8 | 2. | 9. | 0 | . 3 | .3 | • | 6.6 |
| | * | -10 | 0 | 20 | 2 | - 00 | | 4.99 | | 5 | . 3 | 0 | .3 | 0 | 0 | .3 | | - | | 0. | - | | 0 | 4. | 1.1 | 8.1 | . 5 | | | - | ~ | .2 |
| | * | 3.1 | 0.0 | 70 | 7 | 0 | 200 | 4. | 1.1 | 7.5 | 8. | 0.6 | 6.6 | 6.0 | 5.9 | 6.6 | 8.4 | 8.7 | 6.3 | 3.0 | 1.4 | 6.5 | 0.7 | 7.4 | 1.1 | 8 | | 8 | 6 | 6 | 6 | |
| | - | 6 | 6.0 | | 200 | | 200 | 9 4 9 | 7.1 | 7.5 | 7.8 | 0.6 | 6.6 | ò | 5.9 | 6.3 | 8 . 1 | 8.7 | 6.3 | 3.0 | 4.1 | 6.5 | 0.4 | 7.4 | 7:1 | 8.1 | . 5 | 8.8 | 0.6 | | 1.6 | 9.1 |
| JTE MILES) | 71 | 7 | | ~ | 7. | * a | 0 | 66.4 6 | - | | 80 | 0. | .3 | 6. | 6. | | 00 | 1. | | 0. | | .3 | 00 | .3 | 5 | 6. | .3 | • | . 7 | .7 | 8.7.9 | 8.7 |
| VISIBILITY (STATUTE | 41 V | 3.1 | 0 1 | | 200 | | | 4 | | 7.5 | 8. | 0.6 | 9.3 | 6.0 | 5.9 | 6.3 | 4.8 | 8.7 | 6.6 | 3.0 | 4.1 | 6.3 | 9.9 | 7.2 | 1.4 | 1.8 | 8.3 | 8.5 | 8.6 | 9.6 | 80 | 8.6 |
| VISIBI | 2 4 | 3.1 | 0.5 | 2.5 | 7.0 | * 3 | 0.0 | 0 0 | 7.1 | 7.5 | 7.8 | 0.6 | 8.6 | 6.0 | 5.3 | 6.3 | 4 . 0 | 9.8 | 2.6 | 5.8 | 0.4 | 0.9 | 4.9 | 6.8 | 2.0 | 7.3 | 7.7 | 7.8 | 7.8 | 7.8 | 8. | 7.8 5 |
| | 2 2% | ev. | 3 | | | | 0 4 | 5.0 | 6.3 | 6.7 | 6.9 | 8.2 | 6.5 | 0 | 2.1 | 00 | 3.9 | 7.8 | | 2.0 | 3.0 | . 4 | 5.1 | 5.5 | 3 | 0.0 | 0 | 6.3 | 9 | 6.3 | 9 | .0 |
| | E AI | 1.9 | 3.0 | | 2.0 | | 2.5 | 5.1.6 | 5.8 | 2.9 | 4.9 | 7.7 | 8.0 | 9.6 | 1.6 | 0.8 | 3.4 | 7.3 | 1.8 | 1.5 | 2.5 | 4.2 | 4.5 | 8.4 | 2.0 | 5.3 | 5.6 | 2.1 | 5.7 | 2.1 | 2.1 | 5.7 |
| | 7 | - | 0 0 | | 7.0 | | 7 7 | 4.4 | 3.1 | 5 | 5.00 | 1.0 | .3 | 8.9 6 | 6.0 | 7.3 | 2.1 | 6.3 | 80.00 | 4.0 | - | 2.3 | 2 | 6.2 | 3 | 3.3 | 3 | 3.5 | 3 | 3.5 | 3.5 9 | |
| | 80 41 | o. | 0.1 | 000 | 0.7 | 0.7 | 0 . 7 | 3.16 | 3.8 | 7.4 | 4.4 | 2.6 | 5.9 | 7.5 | 6.6 | 2.5 | 1.1 | 4.4 | 6.4 | 8.3 | 1.6 | 0.5 | 0.3 | 6.0 | 9.0 | ò | 8.0 | 6.0 | 0 | 6.0 | 6.0 | 6.00 |
| | 9 11 | 57.7 6 | 0 | . · | | 0 | 0 0 | 9 00 | 0 | .3 | .3 | 1. | 0 | 9. | | .5 | 9. | | .2 | - | | · | 3. | 4 | | 9. | • | 9. | 9. | 9. | 0. | 9 |
| | 2 | 00 | | | 000 | | 00 | 19.9 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 4.0 | 9.0 | 1.8 | 2.5 | 2.8 | 5.9 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| CEILING | (FEET) | CEILING | + | 0008 | 300 | 0007 | 307 | 800 | 9008 | 700 | 9009 | 9006 | 4500 | 000 | 3500 | 3000 | 2500 | 2 2000 | 1800 | 2 1500 | 1200 | 0001 | 000 | 08 | 700 | 8 | 900 | 8 | 300 | 38 | 8 | 0 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 MAY

| 2.6 31.6 32.9 33.6 22.6 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 32.9 33.6 33.6 33.6 33.6 33.6 33.6 33.6 33 | 23 23 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25 | 7 | | VI 44444400-F-0000- | V C C C C C C C C C C C C C C C C C C C | V 44444400 L L 0 0 0 L U 0 0 0 L U 0 0 0 C L U 0 0 0 C L U 0 0 C L U 0 0 C L U 0 0 C L U 0 0 C L U 0 C | 2 0000000444410 | 1 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | N 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
|--|---|---|---|---|---|--|--|---|--|
| 6 31.6 32.9 33.6 6 6 33.6 6 6 6 | 44.22 34.42 | 7 4 4 9 9 9 9 9 9 4 4 4 4 4 8 9 9 9 9 9 9 | | 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | # # # # # # # # # # # # # # # # # # # | 4 4 4 4 4 4 0 0 C C C C C C C C C C C C | WWWWWWWWWWWW | ************************************** | 44444444 |
| 6 31.0 32.9 33.0 5 34.0 | 34.00 34 34.00 34 34.00 34 34.00 34 35.00 34 35.00 34 35.00 35 36.00 | 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 4 4 4 4 4 9 0 L L 9 9 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4444400777650 | 00000000000000000000000000000000000000 | ************************************** | 4444400111000- |
| 6 32.3 33.6 34.6 34.6 33.6 33.6 33.6 33.6 33 | 34.2 34.2 34.3 35.3 35.3 35.3 35.3 35.3 35.3 35.3 | 4 4 4 9 9 9 9 9 9 4 4 4 4 4 4 4 4 4 4 4 | 444499000000 | 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 0 0 0 0 1 1 1 4 4 4 4 7 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 444400rrr000 808844440 808844440 | 88884444476 888884444476 844446977769 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 44440011100- |
| 6 32.3 33.6 34.6 34.6 33.6 33.6 34.6 34.6 34 | 34.2 34 35.5 35 35.5 35 35.6 35 36.8 35 36.8 35 36.7 38 40.0 40 | 4 4 4 8 8 8 8 8 8 8 4 4 4 4 4 4 4 4 4 4 | | 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 | ###################################### | 44400rrr000 0 0 0 1 1 4 4 4 4 7 P 0 0 0 0 1 1 4 4 4 4 P P | ###################################### | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 44400111000- |
| 6 32.3 33.6 34.6 34.6 33.6 34.6 34.8 35.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36 | 34.2 34.2 34.3 35.5 35.5 35.5 35.6 35.6 35.6 35.6 35 | 4 4 6 9 9 9 9 9 9 4 4 4 9 9 9 9 9 9 9 9 | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4400 | ###################################### | 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 4400111000- |
| 6 32.3 33.6 34.6 34.6 33.6 34.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.8 35.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36 | 35.5 35 35.5 35 36.8 36 36.8 36 36.8 36 36.7 35 40.0 40 | 1 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 | 40000000000000000000000000000000000000 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 2007770001 8 11444470 | # # # # # # # # # # # # # # # # # # # | 4 6 6 4 7 7 6 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 400111000- |
| 6 33.6 34.8 35.6 34.8 35.6 34.8 35.1 36.8 35.8 35.1 36.8 35.0 36.8 35.1 36.0 36.8 35.1 36.0 36.8 35.1 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 | 35.5 35 36.6 36 36.8 36 36.7 35 40.0 40 | 7 4 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 4 4 4 4 7 0 00 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 00777000 0122220 | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 00111000- |
| 6 33.6 34.8 35. 6 34.8 36.1 36. 3 4.8 36.1 36. 3 5.8 38.1 36. 6 35.8 38.1 38. 6 39.4 40.7 41. 6 43.2 44.5 41. 6 52.9 53.6 54. | 35.5 35 36.8 36 36.8 36 36.8 36 38.7 38 40.0 40 | 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 20000000 2000000 | 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 0777000 1444470 | 1444444 444444 444444 | 8 mm mm 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 0111000- |
| 6 34.8 36.1 36. 5 34.8 36.1 36. 5 36.8 38.1 36. 5 36.8 38.1 38. 6 38.4 40. 6 43.2 44.5 45. 6 52.3 53.6 54. | 36.8 36 36.8 36 36.8 36 38.7 38 40.0 40 | 7 4 9 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 L C O W W W W W W W W W W W W W W W W W W | 2 4 4 4 4 C D W | 4444 | 4444 | ###################################### | LLL000- |
| 6 34.8 36.1 36. 5 36.8 38.1 38. 6 36.8 38.1 38. 6 36.8 38.1 38. 6 39.4 40.7 41. 6 43.2 44.5 45. 6 52.3 53.6 54. | 36.8 36 36.8 36 38.7 38 40.0 40 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 000000 | 4 4 8 8 3 7 5 6 8 9 7 5 6 8 9 7 5 6 9 | 4 4 4 4 C D 8 8 C C C C C C C C C C C C C C C C | 44470 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 76.69 | LL000- |
| 6 34.8 36.1 36. 6 36.8 38.1 38. 6 38.1 39.4 40. 6 39.4 40. 40. 6 43.2 44.5 45. 6 52.3 53.6 54. | 36.8 35 38.7 38 38.7 38 40.0 40 41.3 41 | 2 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 0 1 1 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 C C C C C C C C C C C C C C C C C | 444 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 40. | 1000- |
| 6 36.8 38.1 38.6 38.1 38.1 38.1 38.1 38.1 38.1 38.1 39.4 40.1 41.0 43.2 44.5 45.0 52.3 53.6 54. | 38.7 38 38.7 38 40.0 40 41.3 41 | 2 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | E 4 4 | 7 39 | 4 4 6 0 0 4 4 | 4 4 4 9 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 40. | 000- |
| 6 38 1 39 4 40 6 39 4 40 7 41 6 43 2 4 40 5 45 6 52 3 53 6 54 6 60 0 62 0 63 | 38.7 38 40.0 40 41.3 41 | 2 41. | F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 40. | 40.7 | 0.7 4 | 4 40 | 40. | 00- |
| 6 39.4 40.7 41. 6 39.4 40.7 41. 6 43.2 44.5 45. 6 52.3 53.6 54. | 41.3 41 | 2 40. | 4 0.0 | 3 41. | 41.07 | 1.9 4 | .9 41. | 40. | |
| 6 43.4 40.7 41. 6 43.2 44.5 45. 6 52.3 53.6 54. | 41.3 41 | 2 41. | 1.3 4 | 41. | 41.0 | 1.9 4 | .9 41. | 41. | 9.14 |
| 6 43.2 44.5 45. 6 52.3 53.6 54. 7 60.0 62.6 63. | | 45. | | | 45.8 | | | | |
| 52.3 53.6 54. | 45.2 4 | | 5.2 4 | 45. | | . 80 | 8 45 | 450 | 45.8 |
| 2 60.0 62.6 63. | 54.2 5 | 54. | 4.2 5 | 54. | 54.8 | 8 . 4 | . 8 54. | 54. | 54.8 |
| | 63.2 63 | 63. | 2 | 63. | 63.8 | | .9 63. | 63 | 63.9 |
| 2 60.7 63.2 63. | 63.9 63 | 9 63. | 3.9 6 | . 40 | 64.5 | 4.5 | .5 64. | 64. | 64. |
| 2 67.7 71.6 72. | 7 6. | 9 72.9 | 1 6. | 73. | 73.6 | | .6 73. | 73. | |
| 2 72.9 77.4 7 | 8.77 | 79. | 7 4. | 80. | 80.0 | 0.0 | .080. | 80. | |
| 2 74.8 80.0 81. | 63 | 83 | 83.9 83 | 9 840 | 4.5 | 4.5 | .5 84. | 84. | 84.5 |
| 2 76.1 82.6 84. | 8 | 87. | . 1 8 | 87. | 87.7 | 1.1 | .7 | | 87.7 |
| 2 78.7 86.5 89. | 90.3 91 | 92. | 2.3 9 | 92. | 6.26 | 6. | 6 6. | 2 | |
| 2 78.7 86.5 8 | .6 92 | 3 93. | 6 9. | 94. | 94. | .2 | .2 9 | | 94.2 |
| 2 78.7 86.5 90. | 3 92.3 92. | | 6 2. | . 56 | ; | 00 | 6 8. | + | 94.8 |
| 2 78.7 86.5 91. | 92.9 9 | . 76 | 8 9 | 3 | | . 5 | 8 | 5 | 95.5 |
| 79.4 87.7 92. | 4.8 95 | | 97.4 97 | .4 98. | 8 | | .7 9 | | 786 |
| 79.4 87.7 92. | 6 8.96 | 98. | .19 | 0 | 6 | 4 | . 4. | 6 | 49.4 |
| 79.4 87.7 92. | 94.8 | | .19 | .1 98. | 6 | 5. | 4. | 6 | 4.66 |
| 79.4 87.7 92. | 6 8.76 | | 6 | 0 | • | 4. | 66 5 | 6 | 000 |
| 79.4 87.7 92. | 94.8 | | -1 | 2 | • | . 4 | . 4 99. | 14.66 | 00 |
| 79.4 87.7 92. 79.4 87.7 92. 79.4 87.7 92. | 444 | 2 | 98.1 | | 2000 | 8.1 98.7 99. 8.1 98.7 99. 8.1 98.7 99. | 8.1 98.7 99.4 99.4 8.1 98.7 99.4 99.4 8.1 98.7 99.4 99.4 8.1 98.7 99.4 99.4 | 8.1 98.7 99.4 99.4 99.4 9 8.1 98.7 99.4 99.4 99.4 9 8.1 98.7 99.4 99.4 99.4 9 | 8.1 98.7 99.4 99.4 99.4 99.4 99. 8.1 98.7 99.4 99.4 99.4 99.4 99. 8.1 98.7 99.4 99.4 99.4 99.4 99. |

155

TOTAL NUMBER OF OBSERVATIONS

9880

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.4 HOURS (1.5.T.)

MAY

| 2.6 24.5 25.8 26.5 26.5 26.5 26.5 26.5 27.1 27.1 27.7 27.7 27.7 27.7 27.7 27.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 27.1 27.7 27.7 27.7 27.7 27.7 27.7 27.7 | CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MILI | £S) | | | | | | |
|---|------------|-----|------|------|------|-----|------|------|----------------------------|------------|------|-------|------|------|--------|------|-------|
| 2.6 24.5 25.8 26.5 26.5 26.5 27.1 27.1 27.1 27.7 27.7 27.7 27.7 27.7 | (FEET) | | | 8 41 | 1 | 1 | | 1000 | | | - AI | 10000 | 1 | 1 | 2 5/16 | AI N | AI AI |
| 2.6 24.5 25.8 26.5 26.5 26.5 27.1 27.1 27.1 27.7 27.7 27.7 27.7 27.1 27.1 | NO CEILING | | 3 | 5 | 5 | 5 | 25.8 | 9 | 26.5 | 0 | | 27.1 | 1.12 | 1.12 | 27.1 | 27.1 | 1.73 |
| 2.6 24.5 25.8 26.5 26.5 26.5 27.1 27.1 27.7 27.7 27.7 27.7 27.7 27.7 | ≥ 20000 | | 4 | 3 | | • | | - | 27.1 | - | - | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 10000 2.6 24.5 25.8 26.5 26.5 27.1 27.1 27.7 | | | 3 | 3 | . 9 | 0 | | 2 | 27.1 | | - | 27.1 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 2.6 24.5 25.8 26.5 26.5 26.5 27.1 27.1 27.1 27.7 27.7 27.7 27.7 27.7 | | | * | 3 | 26.5 | | | 27.1 | 27.1 | 27.1 | - | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 10000 2.6 24.5 25.8 26.5 26.5 27.1 27.1 27.7 | | | ; | 0 | 26.5 | 6 | | 27.1 | 27.1 | 27.1 | | | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 10000 2.6 25.2 26.5 27.1 27.1 27.7 27.7 28.4 28.4 28.4 28.4 28.4 28.5 28.5 28.5 28.5 28.5 28.5 28.5 28.4 | | | ; | 3 | 26.5 | | • | 27.1 | 27.1 | 27.1 | 27.7 | | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 2.6 25.2 26.5 27.1 27.1 27.1 27.7 28.4 28.4 28.4 29.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0 | 1 | | 5 | | 27.1 | - | - | 27.7 | 27.1 | 27.7 | 8 | 8 | | 28.4 | | | 28.4 |
| 2.6 25.8 27.1 27.7 27.7 27.7 28.4 28.4 28.4 29.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0 | | | | 0 | 27.1 | ~ | | | 27.7 | | | 8 | | | | | 28.4 |
| 7000 2.6 25.8 27.1 27.7 27.7 27.7 28.4 28.4 28.4 29.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0 | 1 | | 5 | - | 27.7 | - | | 8 | | 8 | 6 | 6 | | | 6 | 6 | 29.0 |
| 2.6 25.6 27.1 27.7 28.4 28.4 28.4 29.0 29.0 29.0 29.7 29.7 29.7 29.7 29.7 29.7 29.0 2.6 25.5 27.7 28.4 28.4 28.4 29.0 29.0 29.7 29.7 29.7 29.7 29.7 29.2 25.5 27.1 28.4 29.0 29.0 29.0 29.0 29.0 29.7 29.7 29.7 29.7 29.7 29.2 25.5 27.1 28.4 29.0 29.0 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 | | | 5 | 7 | 27.7 | - | - | | | 00 | 6 | 6 | | | | 29.0 | 29.0 |
| 2.6 26.5 27.7 28.4 28.4 28.4 29.0 29.0 29.0 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 | 1 | 2.6 | | - | | - | - | 80 | 8 | 8 | 6 | | | 6 | 6 | 6 | 29.0 |
| 2.6 26.5 27.1 28.4 28.4 28.4 29.0 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 | | 5.6 | | 1 | 00 | 0 | 190 | 6 | 6 | 6 | 6 | 6 | | 0 | 6 | 29.7 | 29.7 |
| 2.6 27.1 28.4 29.7 30.3 31.0 31.0 31.0 31.0 31.0 31.0 31.0 | 1 | 4.6 | 9 | | | 20 | 30 | 6 | | 5 | 6 | 6 | | | | 6 | 29.7 |
| 3.00 2.6 28.4 29.7 30.3 30.3 30.3 31.0 31.0 31.0 31.6 31.6 31.6 31.6 31.6 31.0 31.0 30.0 3.2 32.9 34.2 34.8 34.8 34.8 35.5 35.5 35.5 36.1 36.1 36.1 36.1 36.2 3.2 47.0 41.3 41.9 41.9 41.9 42.6 42.6 42.6 43.2 43.2 43.2 43.2 43.2 20.0 3.2 51.6 52.9 53.6 53.6 53.6 53.6 54.2 54.2 54.2 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8 | | 3.6 | - | 8 | . 6 | 6 | 0 | 6 | 6 | 6 | 0 | 0 | | 0 | 0 | 0 | 30.3 |
| 300 3.2 32.9 34.2 34.8 34.8 34.8 35.5 35.5 35.5 35.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36 | | 5.6 | 8 | 0 | 0 | 0 | | - | - | -: | - | - | | | - | - | 31.6 |
| 2500 3.2 40.0 41.3 41.9 41.9 41.9 42.6 42.6 42.6 43.2 43.2 43.2 43.2 43.2 25.0 250.0 3.2 51.6 52.9 53.6 53.6 53.6 54.2 54.2 54.2 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8 | | | 2. | 4 | 4 | * | | 3 | 3 | 3 | | | | 36.1 | 6 | 36.1 | 36.1 |
| 200 3.2 51.6 52.9 53.6 53.6 53.6 54.2 54.2 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8 | | | 0 | - | ~ | - | - | 2. | 7 | 5. | 3 | 3 | | | 13 | 3 | 43.2 |
| 1500 3.2 52.9 54.2 54.8 54.8 54.8 55.5 55.5 55.5 56.1 56.1 56.1 56.1 56.1 | | | - | 2 | 3 | 100 | 3 | ; | | * | 4 | | | | 4 | | 54.8 |
| 1500 3.2 61.9 64.5 65.2 65.8 65.8 66.5 66.5 66.5 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 | | | 3 | | . 5 | * | | 5 | 2 | 2 | 9 | | | 50.1 | 9 | | 56.1 |
| 3.2 65.8 69.7 70.3 71.0 71.0 71.6 71.6 71.6 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 | | • | - | * | 50 | 2 | | • | . 9 | • | - | | | 67.1 | | 67.1 | 67.1 |
| 3.2 70.3 75.5 79.4 81.9 81.9 82.6 82.6 83.2 83.2 83.2 83.2 83.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 | | | 3 | 6 | 0 | - | - | - | -: | - | 3 | 2 | | 72.3 | | 72.3 | 72.3 |
| 30.2 70.3 75.5 79.4 81.9 82.6 82.6 82.6 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.9 83.9 84.5 85.2 85.2 85.8 | | • | 69.7 | * | 1. | 6 | 6 | 0 | 0 | 0 | 0 | 0 | | 80.7 | 0 | 80.7 | |
| 3.2 71.6 76.8 81.3 83.9 83.9 84.5 85.2 85.2 85.8 85.8 85.8 85.8 85.8 85 | | | 10.3 | 3 | 6 | - | | 2. | 2. | 2 | 3 | 437 | | 83.2 | 83.2 | 83.2 | 83.2 |
| 3.2 71.6 78.1 83.2 86.5 86.5 87.1 87.1 87.1 87.2 89.0 | | | 71.0 | | 81.3 | 19 | | * | 2 | 5 | 5 | 'n | | 85.8 | 2 | • | 85.8 |
| 500 3.2 71.6 78.1 83.9 87.1 87.1 87.7 89.0 89.0 89.0 92.9 94.8 < | 1 | | 11.6 | 8 | 83.2 | | 9 | 2 | | 8 | .6 | 89.0 | | 89.0 | 6 | 89.0 | 89.0 |
| 300 3-2 71.6 78.7 85.2 88.4 90.3 91.0 92.3 92.3 92.9 92.9 92.9 92.9 92.9 92.9 | | | 71.6 | 00 | 83.9 | - | - | - | | 6 | | 6 | | 89.7 | 6 | 89.7 | 89.7 |
| 200 3.2 71.6 78.7 85.8 89.0 91.0 92.3 94.2 94.2 94.8 94.8 94.8 94.8 94.8 94.8 97. 200 3.2 71.6 78.7 85.8 89.7 91.6 93.6 95.5 95.5 95.8 96.8 96.8 97. 200 3.2 71.6 78.7 85.8 89.7 91.6 93.6 96.1 96.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98 | 1 | | | | 85.2 | | | - | 92.3 | 2 | 2. | | 2 | 92.9 | 92.9 | 92.9 | 92.9 |
| 302 3.2 71.6 78.7 85.8 89.7 91.6 93.6 95.5 95.5 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 | | | | - | 85.8 | 9 | • | 3 | 2.46 | ; | * | • | * | | 94.8 | 8.46 | 94.8 |
| 200 3.2 71.6 78.7 85.8 89.7 91.6 93.6 96.1 96.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98 | | | | 78.7 | | | | | 65.5 | | • | 96.8 | | 4.16 | 97.4 | 4.16 | 4.16 |
| 0 3.2 71.6 78.7 85.8 89.7 91.6 93.6 96.1 96.1 98.1 98.1 | | | | 78.7 | 00 | | | • | 1.96 | | 98.1 | 1.96 | 1.86 | 98.7 | 98.7 | 4.66 | 4.66 |
| 0 3.2 71.6 78.7 85.8 89.7 91.6 93.6 96.1 96.1 98.1 98.1 | | | • | 78.7 | 85.8 | | 91.6 | | 1.96 | 1.96 | 98.1 | 1.86 | 1.86 | 98.7 | 186 | 7.66 | 0000 |
| | | | - | 78.7 | 83.8 | | 91.6 | • | 1.96 | 1.96 | 98.1 | 1.86 | 1.86 | 98.7 | 98.1 | 99.4 | 0000 |

TOTAL NUMBER OF OBSERVATIONS

155

2818

SOMS DIRNAVOCEANMET

93114 STATION

1188

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 mount MAY

9110

| FEET) CEILING CEILI | VI | VI 20 20 20 20 20 20 20 20 20 20 20 20 20 | 20 | 1 | | | | | | | | | | | | |
|--|-----|---|------|------|------|------|---------|-------|------|---------|---------|------|---------|--------|--------|------|
| CEILING CEI | | | 6 | | ~ | 2 2% | ~ Al | VI 75 | 77 | <u></u> | % Al | * | Z Al | 2 5/16 | M M | AI |
| 1 | | | | | 10 | 8.07 | 10 | 0 | 0 | - | - | | | - | - | 21.4 |
| | | | ö | | 0 | 20.8 | 0 | 0 | 0 | - | - | | | : | : | 21.4 |
| | | | 0 | | 0 | | 0 | 0 | 0 | = | : | | | • | - | 21.4 |
| 1 | | | 0 | | 0 | | 0 | 0 | 0 | 1. | - | | | | - | 21.4 |
| | | | 6 | | 0 | | 0 | 0 | 0 | - | - | | | - | - | 21.4 |
| | | | 0 | | 0 | | 0 | 0 | 0 | - | : | | | : | - | |
| | | | 6 | | 10 | | 0 | 0 | 0 | - | - | | | - | : | 21.4 |
| | | | 0 | | 0 | | 0 | 0 | 0 | - | - | | | - | : | |
| | | 00 | 6 | 6 | 10 | 0 | 0 | 0 | 0 | - | - | | | 7 | - | 21.4 |
| | | | 0 | 0 | - | - | - | : | - | 2. | 2. | | | 2 | 2. | |
| | • | 8 | 0 | .0 | - | | - | - | : | 2 | 2. | | | 2. | 2. | 22. |
| | 5.8 | | 0 | 0 | N | 2 | N | 2 | 2 | 2 | 2. | | | 2. | 5 | 22. |
| | | 6 | 0 | 0 | 10 | 2 | 2 | 2. | 2. | 2. | 2 | | | 2 | 2 | |
| | 0 | | - | - | N | 2 | 2 | 2. | 5 | | 3 | | | 3. | | |
| | 5.8 | 0 | 2 | 2 | 14.0 | 100 | 3 | 5 | 3 | ; | | | | | : | |
| | 7.1 | 0 | - | - | (4) | 3 | 4 | 3. | 3. | 3 | 3 | | | 3 | 3 | 33.8 |
| | | 4. | 2 | 5 | - | | - | - | | 8 | 8 | | | | | |
| | | .0 | - | 8 | _ | - | 2 | 2 | 2 | 2 | 3 | | | 2. | 5. | |
| | | 9 | 00 | 6 | 12 | 2 | 3 | 3 | 3 | 3. | 3 | | | 3. | 3 | |
| 1 | | 4 | 0 | - | a | 3 | • | . 9 | • | 9 | ; | | | . 9 | • | |
| | | 7. | 3 | .0 | 40 | 3 | 100 | 0 | . 9 | | 9 | | | 9 | • | |
| 0001 | 4.4 | 7 | 4 | 68.8 | | 6 | - | 2. | 2 | 3 | | | | 3 | 3 | |
| | | - | 4 | 0 | 330 | - | 5 | | 4 | 5 | 2 | | | 2 | 2 | 85.7 |
| 8 | | - | | 6 | a | 17 | 8 | 0 | • | - | 8 | | | | 8 | |
| | | 7. | 5 | 0 | - | 5 | 1 | 0 | 6 | 0 | 0 | | | .0 | 0 | 90. |
| 8 | | - | 5 | 0 | _ | 3 | - | 6 | 6 | ċ | : | | | : | : | 3: |
| | | | 3 | 0 | - | 5 | 30 | 0 | - | 4 | | | | ; | ; | 94. |
| 141 | | - | 5 | • | - | 5 | 0 | 2. | 3 | | 1. | | | - | | 98. |
| 38 | 2.6 | 57.8 | 9.59 | 70.1 | 81.2 | 85.7 | 800.3 | 92.9 | 93.5 | 96.8 | 4.76 | 97.4 | 98.1 | 98.1 | 1.86 | 98. |
| | | - | 0 | • | - | 0 | 0 | 7 | | : | | • | • | | : | • |
| 8 | | - | | 70.1 | - | · · | 0 | 2 | | : | | | • | | 4000 | 000 |
| | | | | • | - | 2 | 0 | ; | - | : | 100 | • | • | : | 77.0 | • |

TOTAL NUMBER OF OBSERVATIONS

NI Al

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

10 X Y BORTE

E

2 5/16 2 * 7 PERCENTAGE FREQUENCY OF OCCURRENCE _ AI VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) ¥1 ×1 ¥1 ¥ 7 2 2% ۸I 1 17 41 2

NO CEILING

≥ 20000

(FEET)

VI VI 00091 0000

Y 14000

0

9 8

AI AI

0

4500 4000 4000

AI AI

3000

11 11

2000

ALAI

88

AI AI

98

AI AI

88

AI AI

88

AI AI

88

AI AI

88

AI AI

80

AI AI

| In | - | - | - | _ | - | | _ | | _ | | ~ | 5 | _ | - | _ | 10 | ~ | - | ~ | - | ~ | 5 | - | 5 | ~ | 10 | ~ | 10 | 7 |
|--------------------|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------|---------------------|
| • | • | • | | | - | • | - | • | | | | • | • | | • | • | ě | • | • | • | : | • | : | • | : | • | : | • | • |
| ; | 3 | 4 | 3 | 9 | 9 | 4 | 4 | - | 4 | - | 64 | 5 | 58 | 68 | 8 | 82 | 6 | 98 | 8 | 00 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 | ~ | 2 | 2 | 5 | 5 | - | - | - | - | - | 0 | 0 | 1 | * | 1 | 9 | 9 | 1 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | 5 | 10 | 0 |
| • | : | • | • | • | • | • | | • | | | • | • | : | • | : | • | • | • | - | : | : | : | : | • | : | = | : | - | : |
| - | 4 | 4 | 13 | 46 | 40 | 4 | 2 | 4 | 4 | 4 | 49 | 5 | 58 | 99 | 80 | 8 | 5 | 6 | 8 | 8 | 8 | 00 | 8 | 8 | 8 | 8 | 8 | 0 | 8 |
| - | ~ | 2 | ~ | 0 | • | | - | - | - | - | 0 | 0 | ~ | | 1 | 0 | • | 1 | 5 | C | 6 | 0 | 7 | C | 0 | 6 | 6 | 10 | 0 |
| : | : | : | | • | | | | | | | : | • | | • | | • | • | • | • | • | • | • | • | | • | • | • | • | - |
| | 3 | 4 | 45 | * | 40 | 4 | 4 | 3 | 4 | | 49 | | 58 | | | | 6 | | ŏ | ŏ | 8 | ö | ŏ | 8 | ŏ | 00 | ŏ | ŏ | ŏ |
| 2 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - | 0 | 0 | 1 | * | 2 | 9 | 9 | 1 | 5 | 0 | 5 | 6 | 6 | 0 | 5 | 0 | 5 | 6 | 5 |
| : | : | | 2 | • | • | | - | | | | | : | | | 0 | | -: | | 0 | | | | : | : | | - | : | | : |
| 4 | 4 | • | 4 | 3 | 4 | * | 4 | | | * | 3 | • | Š | 0 | ĕ | | 0 | 0 | ĕ | ŏ | ŏ | ŏ | ŏ | õ | ŏ | ŏ | ŏ | õ | ŏ |
| 0 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - | 0 | 0 | 1 | * | - | 0 | 9 | - | 0 | C | 0 | 0 | 0 | C | 0 | 6 | 0 | 0 | 0 |
| : | ; | | 2 | 9 | • | | - | | - | | 6 | Ŀ | 8 | 00 | 0 | 2 | = | | ò | • | 0 | 0 | ò | 0 | 0 | 0 | 0 | 0 | 0 |
| * | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | * | \$ | 4 | | 2 | 0 | | 00 | | 0 | 0 | Ö | ŏ | 0 | 9 | 0 | ě | 0 | 0 | 0 | 9 |
| n | ~ | • | N | 2 | 3 | - | - | - | - | - | 0 | 0 | - | 3 | 1 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | * | 5 | 0 | • | | - | 1 | - | - | 6 | - | 8 | 00 | 0 | 2 | - | 20 | à | 0 | 0 | 0 | 0 | ö | ċ | 0 | ò | 0 | 0 |
| * | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 5 | 3 | 2 | 9 | 0 | 00 | DC. | 0 | 6 | 0 | 001 | 2 | 0 | 10 | 100 | 100 | 001 | 10 | 0 | 9 |
| • | 5 | 2 | 7 | 2 | - | - | - | - | - | - | 0 | 0 | - | * | ~ | 0 | • | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 207 | c | 9 | | - | - | - | | 6 | | œ | | | | ÷ | œ | o | | o | o | 0 | | Ö | 0 | ò | 0 | 0 |
| 3 | 4 | 4 | 4 | 3 | * | 3 | 4 | 3 | 3 | 3 | 4 | 2 | S | 9 | 8 | 3 | 0 | 6 | 2 | 0 | 10 | 0 | 10 | 0 | 2 | 0 | 10 | 0 | 2 |
| 5 | 5 | 5 | ~ | S | 5 | - | - | - | - | - | 0 | 0 | - | 4 | - | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 4 | 4 | 0 | 0 | 0 | - | - | - | - | - | 0 | - | œ | 0 | 80 | ~ | - | 00 | 0 | Ó | ö | 0 | 0 | 0 | 0 | 0 | o | 0 | 0 |
| 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | ~ | 5 | 0 | œ | 0 | 0 | 0 | 10 | 70 | 01 | 01 | 2 | 10 | 10 | 10 | 10 | 0 | 2 |
| 0 | 0 | 0 | 100 | 0 | œ | 2 | 2 | n | 30 | | 4 | 3 | - | - | 0 | 6 | 0 | ~ | 4 | | 3 | 3 | * | 3. | * | 3 | 4 | 3 | 3 |
| 3 | m | m | * | - | | - | | | | | | | | | - | | | | | | | | | | | | | _ | - 1 |
| 3 | 4 | -2 | | -: | S | 0 | 0 | 0 | 9 | - | 80 | 0 | 00 | | 0 | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 5 | 0 |
| | | | 4 | * | 45 | 3 | 4 | * | 4 | 3 | 4 | 20 | 58 | | 80 | 8 | 16 | 96 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| m | | .2 | .9 | 4 7. | .2 45 | 3 | 4 | * | 9 8. | 3 | 4 | .7 50 | .4 58 | | | 18 6. | .7 91 | 86 8. | .1 99 | .1 99 | .1 99 | 1 99 | .1 99 | 66 1. | .1 99 | 1 99 | .1 99 | .1 99 | .1 99 |
| - | 13.5 | | 13.9 4 | +5.5 | 15.2 45 | .8 | .8 | .8 | 4 | 6.5 4 | 7.7 4 | 9.7 5 | | 7.1 6 | 9.4 8 | 1.3 8 | 6 1.6 | 6 8 9 | 8.1 9 | | | 8.19 | 8.1 9 | 8.19 | 8.1 9 | 6 1. | .1 9 | 38.1 99 | 98.1 99 |
| - | 43.5 | 2.64 | 43.9 4 | 45.2 4 | 45.2 45 | .8 | .8 | .8 | 30 | 6.5 4 | .7 4 | 49.7 5 | 5 | 67.1 6 | . 4 8 | 1.3 8 | 6 1.6 | 6 8 9 | 8.1 9 | | | 98.1 9 | 98.1 9 | 8.19 | 8.1 9 | 6 1. | .1 9 | 98.1 99 | 98.1 99 |
| 0 | .0 43.2 | 4 0. | .7 4 | 5 6. | 5 | .6 45.8 4 | .6 45.8 4 | .6 45.8 4 | .6 45.8 4 | \$ 6.94 2. | .5 47.7 4 | .5 49.7 S | | 67.1 6 | 9.4 8 | 1.3 8 | 6 1.6 | 6 8 9 | 8.1 9 | | | 98.1 9 | 8.1 9 | 8.19 | 8.1 9 | 6 1. | .1 9 | .6 98.1 99 | .6 98.1 99 |
| 0.04 | 40.0 43.2 | 4 0. | 40.7 43.9 4 | 5 6. | 5 | .6 45.8 4 | .6 45.8 4 | .6 45.8 4 | 30 | \$ 6.94 2. | .5 47.7 4 | .5 49.7 S | 0 | .2 67.1 6 | 9.4 8 | 7.4 81.3 8 | 5.8 89.7 9 | 2.3 96.8 9 | 3.6 98.1 9 | 3.6 9 | 3.6 9 | 3.6 98.1 9 | 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 6 1. | .1 9 | 93.6 98.1 99 | 93.6 98.1 99 |
| 0.04 8 | 4 | 4 0. | .7 4 | 5 6. | 5 | .6 45.8 4 | .6 45.8 4 | .6 45.8 4 | 2.6 45.8 4 | \$ 6.94 2. | 44.5 47.7 4 | .5 49.7 S | 0 | 63.2 67.1 6 | 75.5 79.4 8 | 7.4 81.3 8 | 85.8 89.7 9 | 2.3 96.8 9 | 3.6 98.1 9 | 3.6 9 | 3.6 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 6 1. | .1 9 | 1 93.6 98.1 99 | 7 93.6 98.1 99 |
| • | . 8 | 40.04 | .4 40.7 4 | 5 6. | 5 | .4 42.6 45.8 4 | .4 42.6 45.8 4 | .4 42.6 45.8 4 | .4 42.5 45.8 4 | 4 5.94 2.84 0. | .3 44.5 47.7 4 | .2 46.5 49.7 5 | .3 53.6 5 | 0 63.2 67.1 6 | .6 75.5 79.4 8 | .6 7.4 81.3 8 | .3 85.8 89.7 9 | .5 92.3 96.8 9 | .7 93.6 98.1 9 | 3.6 9 | 3.6 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 6 1. | .1 9 | .7 93.6 98.1 99 | .7 93.6 98.1 99 |
| • | 4 | 40.04 | .7 4 | 5 6. | 5 | .4 42.6 45.8 4 | .6 45.8 4 | .4 42.6 45.8 4 | 2.6 45.8 4 | 4 5.94 2.84 0. | .3 44.5 47.7 4 | .2 46.5 49.7 5 | 0.3 53.6 5 | 0 63.2 67.1 6 | 1.6 75.5 79.4 8 | 3.6 7.4 81.3 8 | 1.3 85.8 89.7 9 | 2.3 96.8 9 | 7.7 93.6 98.1 9 | 3.6 9 | 3.6 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 6 1. | .1 9 | 87.7 93.6 98.1 99 | 87.7 93.6 98.1 99 |
| • | 36.8 4 | 36.8 40.0 4 | 37.4 40.7 4 | 38.1 41.9 4 | 38.7 41.9 4 | .4 42.6 45.8 4 | 39.4 42.6 45.8 4 | .4 42.6 45.8 4 | .4 42.5 45.8 4 | 4 5.94 2.84 0. | .3 44.5 47.7 4 | 3.2 46.5 49.7 5 | 0.3 53.6 5 | 0.0 63.2 67.1 6 | 1.6 75.5 79.4 8 | 3.6 7.4 81.3 8 | 1.3 85.8 89.7 9 | 6.5 92.3 96.8 9 | 7.7 93.6 98.1 9 | 7.7 93.6 9 | 3.6 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 6 1. | .1 9 | 4 87.7 93.6 98.1 99 | 4 87.7 93.6 98.1 99 |
| • | . 8 | 40.04 8.98 0. | .6 37.4 40.7 4 | .9 38.1 41.9 4 | .9 38.7 41.9 4 | .6 39.4 42.5 45.8 4 | .6 39.4 42.6 45.8 4 | .6 39.4 42.6 45.8 4 | .4 42.5 45.8 4 | 4 5.94 2.84 0. | .3 44.5 47.7 4 | 3.2 46.5 49.7 5 | 0.3 53.6 5 | 0.0 63.2 67.1 6 | 1.6 75.5 79.4 8 | 3.6 7.4 81.3 8 | .8 81.3 85.8 89.7 9 | 6.5 92.3 96.8 9 | 7.7 93.6 98.1 9 | 7.7 93.6 9 | 3.6 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | .4 87.7 93.6 98.1 9 | .4 87.7 93.6 98.1 9 | .4 37.7 | 1.18 4. |
| • | 36.8 4 | 40.04 8.98 0. | .6 37.4 40.7 4 | .9 38.1 41.9 4 | 38.7 41.9 4 | .6 39.4 42.5 45.8 4 | 39.4 42.6 45.8 4 | .6 39.4 42.6 45.8 4 | .4 42.5 45.8 4 | 4 5.94 2.84 0. | .3 44.5 47.7 4 | 3.2 46.5 49.7 5 | 0.3 53.6 5 | 0.0 63.2 67.1 6 | 1.6 75.5 79.4 8 | 3.6 7.4 81.3 8 | 1.3 85.8 89.7 9 | 6.5 92.3 96.8 9 | 7.7 93.6 98.1 9 | 7.7 93.6 9 | 3.6 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | 3.6 98.1 9 | .4 87.7 93.6 98.1 9 | .1 9 | 79.4 87.7 93.6 98.1 99 | 1.18 4. |
| 31.0 36. | 31.0 36.8 4 | 31.0 36.8 40.0 4 | 31.6 37.4 40.7 4 | 32.9 38.7 41.9 4 | 32.9 38.7 41.9 4 | 33.6 39.4 42.6 45.8 4 | .6 39.4 42.6 45.8 4 | 33.6 39.4 42.6 45.8 4 | .4 42.5 45.8 4 | 4 5.94 2.84 0. | .3 44.5 47.7 4 | 3.2 46.5 49.7 5 | 44.5 50.3 53.6 5 | 54.2 60.0 63.2 67.1 6 | 65.8 71.6 75.5 79.4 8 | 67.7 73.6 77.4 81.3 8 | 74.8 81.3 85.8 89.7 9 | 78.1 86.5 92.3 96.8 9 | 79.4 87.7 93.5 98.1 9 | 79.4 87.7 93.6 9 | 79.4 87.7 93.6 9 | 79.4 87.7 93.6 98.1 9 | 3.6 98.1 9 | 79.4 87.7 93.6 98.1 9 | 79.4 87.7 93.6 98.1 9 | 79.4 87.7 93.6 98.1 9 | 79.4 87.7 93.6 98.1 9 | 19.4 87.7 | 79.4 87.7 |
| 0 31.0 36. | 0 31.0 36.8 4 | 0 31.0 36.8 40.0 4 | 7 31.6 37.4 40.7 4 | 0 32.9 38.7 41.9 4 | 0 32.9 38.7 41.9 4 | 6 33.6 39.4 42.6 45.8 4 | 6 33.6 39.4 42.6 45.8 4 | 6 33.6 39.4 42.6 45.8 4 | 6 33.6 39.4 42.6 45.8 4 | 3 34.2 40.0 43.2 46.5 ¢ | 6 35.5 41.3 44.5 47.7 4 | 5 37.4 43.2 46.5 49.7 5 | 6 44.5 50.3 53.6 5 | 3 54.2 60.0 63.2 67.1 6 | 2 65.8 71.6 75.5 79.4 8 | 2 67.7 73.6 77.4 81.3 8 | 6 74.8 81.3 85.8 89.7 9 | 6 78.1 86.5 92.3 96.8 9 | 8 79.4 87.7 93.6 98.1 9 | 8 79.4 87.7 93.6 9 | 8 79.4 87.7 93.6 9 | 8 79.4 87.7 93.6 98.1 9 | 8 79.4 87.7 93.5 98.1 9 | 8 79.4 87.7 93.6 98.1 9 | .8 79.4 87.7 93.6 98.1 9 | .8 79.4 87.7 93.6 98.1 9 | .6 79.4 87.7 93.6 98.1 9 | .8 79.4 87.7 | 19.4 87.7 |
| 0 31.0 36. | 0 31.0 36.8 4 | 0 31.0 36.8 40.0 4 | 7 31.6 37.4 40.7 4 | 0 32.9 38.7 41.9 4 | 0 32.9 38.7 41.9 4 | 6 33.6 39.4 42.6 45.8 4 | 6 33.6 39.4 42.6 45.8 4 | 6 33.6 39.4 42.6 45.8 4 | .4 42.5 45.8 4 | 3 34.2 40.0 43.2 46.5 ¢ | 6 35.5 41.3 44.5 47.7 4 | 5 37.4 43.2 46.5 49.7 5 | 6 44.5 50.3 53.6 5 | 3 54.2 60.0 63.2 67.1 6 | 2 65.8 71.6 75.5 79.4 8 | 2 67.7 73.6 77.4 81.3 8 | 6 74.8 81.3 85.8 89.7 9 | 6 78.1 86.5 92.3 96.8 9 | 8 79.4 87.7 93.6 98.1 9 | 8 79.4 87.7 93.6 9 | 8 79.4 87.7 93.6 9 | 8 79.4 87.7 93.6 98.1 9 | 8 79.4 87.7 93.5 98.1 9 | 8 79.4 87.7 93.6 98.1 9 | .8 79.4 87.7 93.6 98.1 9 | 4.8 79.4 87.7 93.6 98.1 9 | .6 79.4 87.7 93.6 98.1 9 | 19.4 87.7 | 4.8 79.4 87.7 |
| 7 29.0 31.0 36. | 7 29.0 31.0 36.8 4 | 7 29.0 31.0 36.8 40.0 4 | 4 29.7 31.6 37.4 40.7 4 | 7 31.0 32.9 38.7 41.9 4 | 7 31.0 32.9 38.7 41.9 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 9 32.3 34.2 40.0 43.2 46.5 4 | 3 33.6 35.5 41.3 44.5 47.7 4 | 2 35.5 37.4 43.2 46.5 49.7 5 | 3 42.6 44.5 50.3 53.6 5 | 0 52.3 54.2 60.0 63.2 67.1 6 | 7 63.2 65.8 71.6 75.5 79.4 8 | 6 65.2 67.7 73.6 77.4 81.3 8 | 7 71.6 74.8 81.3 85.8 89.7 9 | 0 73.6 78.1 86.5 92.3 96.8 9 | 7 74.8 79.4 87.7 93.5 98.1 9 | 7 74.8 79.4 87.7 93.6 9 | 7 74.8 79.4 87.7 93.6 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.5 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.6 79.4 87.7 93.6 98.1 9 | 74.8 79.4 87.7 | 7 74.8 79.4 87.7 |
| 7 29.0 31.0 36. | 7 29.0 31.0 36.8 4 | 7 29.0 31.0 36.8 40.0 4 | 4 29.7 31.6 37.4 40.7 4 | 7 31.0 32.9 38.7 41.9 4 | 7 31.0 32.9 38.7 41.9 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 9 32.3 34.2 40.0 43.2 46.5 4 | 3 33.6 35.5 41.3 44.5 47.7 4 | 2 35.5 37.4 43.2 46.5 49.7 5 | 3 42.6 44.5 50.3 53.6 5 | 0 52.3 54.2 60.0 63.2 67.1 6 | 7 63.2 65.8 71.6 75.5 79.4 8 | 6 65.2 67.7 73.6 77.4 81.3 8 | 7 71.6 74.8 81.3 85.8 89.7 9 | 0 73.6 78.1 86.5 92.3 96.8 9 | 7 74.8 79.4 87.7 93.5 98.1 9 | 7 74.8 79.4 87.7 93.6 9 | 7 74.8 79.4 87.7 93.6 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.5 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.6 79.4 87.7 93.6 98.1 9 | 74.8 79.4 87.7 | 7 74.8 79.4 87.7 |
| 7 29.0 31.0 36. | 7 29.0 31.0 36.8 4 | 7 29.0 31.0 36.8 40.0 4 | 4 29.7 31.6 37.4 40.7 4 | 7 31.0 32.9 38.7 41.9 4 | 7 31.0 32.9 38.7 41.9 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 31.6 33.6 39.4 42.6 45.8 4 | 9 32.3 34.2 40.0 43.2 46.5 4 | 3 33.6 35.5 41.3 44.5 47.7 4 | 2 35.5 37.4 43.2 46.5 49.7 5 | 3 42.6 44.5 50.3 53.6 5 | 0 52.3 54.2 60.0 63.2 67.1 6 | 7 63.2 65.8 71.6 75.5 79.4 8 | 6 65.2 67.7 73.6 77.4 81.3 8 | 7 71.6 74.8 81.3 85.8 89.7 9 | 0 73.6 78.1 86.5 92.3 96.8 9 | 7 74.8 79.4 87.7 93.5 98.1 9 | 7 74.8 79.4 87.7 93.6 9 | 7 74.8 79.4 87.7 93.6 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.5 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.8 79.4 87.7 93.6 98.1 9 | 7 74.6 79.4 87.7 93.6 98.1 9 | 74.8 79.4 87.7 | 7 74.8 79.4 87.7 |
| 27.7 29.0 31.0 36. | 27.7 29.0 31.0 36.8 4 | 27.7 29.0 31.0 36.8 40.0 4 | 26.4 29.7 31.6 37.4 40.7 4 | 29.7 31.0 32.9 38.7 41.9 4 | 29.7 31.0 32.9 38.7 41.9 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 31.0 32.3 34.2 40.0 43.2 46.5 4 | 32.3 33.6 35.5 41.3 44.5 47.7 4 | 34.2 35.5 37.4 43.2 46.5 49.7 5 | 41.3 42.6 44.5 50.3 53.6 5 | 51.0 52.3 54.2 60.0 63.2 67.1 6 | 60.7 63.2 65.8 71.6 75.5 79.4 8 | 52.6 65.2 67.7 73.6 77.4 81.3 8 | 67.7 71.6 74.8 81.3 85.8 89.7 9 | 69.0 73.6 78.1 86.5 92.3 96.8 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.8 79.4 87.7 93.6 9 | 69.7 74.8 79.4 87.7 93.6 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.8 79.4 87.7 93.5 98.1 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.6 76.4 87.7 93.5 98.1 9 | 69.7 74.6 79.4 87.7 93.6 98.1 9 | 59.7 74.8 79.4 87.7 | 69.7 74.8 79.4 87.7 |
| 27.7 29.0 31.0 36. | 27.7 29.0 31.0 36.8 4 | 27.7 29.0 31.0 36.8 40.0 4 | 26.4 29.7 31.6 37.4 40.7 4 | 29.7 31.0 32.9 38.7 41.9 4 | 29.7 31.0 32.9 38.7 41.9 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 30.3 31.6 33.6 39.4 42.6 45.8 4 | 3 31.6 33.6 39.4 42.6 45.8 4 | 31.0 32.3 34.2 40.0 43.2 46.5 4 | 32.3 33.6 35.5 41.3 44.5 47.7 4 | 34.2 35.5 37.4 43.2 46.5 49.7 5 | 41.3 42.6 44.5 50.3 53.6 5 | 51.0 52.3 54.2 60.0 63.2 67.1 6 | 60.7 63.2 65.8 71.6 75.5 79.4 8 | 52.6 65.2 67.7 73.6 77.4 81.3 8 | 67.7 71.6 74.8 81.3 85.8 89.7 9 | 69.0 73.6 78.1 86.5 92.3 96.8 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.8 79.4 87.7 93.6 9 | 69.7 74.8 79.4 87.7 93.6 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.8 79.4 87.7 93.5 98.1 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.8 79.4 87.7 93.6 98.1 9 | 69.7 74.6 76.4 87.7 93.5 98.1 9 | 69.7 74.6 79.4 87.7 93.6 98.1 9 | 59.7 74.8 79.4 87.7 | 69.7 74.8 79.4 87.7 |

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

73-77

MAY MOUNT 13

| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|------------------------------------|----------------------------|

| CEILING | | | | | | | VISI | BILITY (ST | VISIBILITY (STATUTE MILES) | £5) | | | | | | |
|------------|------|------|-------|-------|-------|-------|---------|------------|----------------------------|-------|---------|---------|---------|--------|--------|-------|
| () (EE) | 5 71 | AI | 8 41 | 71 | 21 | 2 2% | 2 4 | V 1% | ×1 ×1 | - | AI | * 1 | N | 2 5/16 | AI | ۸۱ |
| NO CEILING | | 47.7 | 52.3 | 56.1 | 61.9 | 63.2 | 64.5 | 64.5 | 5.49 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| > 20000 | | 49.7 | 54.2 | 58.1 | 63.9 | 65.2 | 60.99 | 66.5 | 6.99 | 66.9 | 66.5 | • | 66.5 | 66.5 | 66.5 | 66.5 |
| | | 49.7 | 54.2 | 58.1 | 63.9 | 65.2 | 66.3 | 66.5 | 50.99 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 2 14000 | | 49.7 | 54.5 | 58.1 | 63.9 | 65.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | | 66.5 | 66.5 | 66.5 | 66.5 |
| | | 49.7 | | 58.1 | 63.9 | 65.2 | | 6000 | 5099 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 2 12000 | | 49.7 | 54.5 | 58.1 | 63.8 | 65.2 | 5.99 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| | | 50.3 | | 58.7 | 64.5 | 05.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | | 67.1 | 67.1 | 67.1 |
| 900 | | 50.3 | 54.8 | 58.7 | 64.5 | 65.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | - | 67.1 | 67.1 | 67.1 | 67.1 |
| 1 | | 50.3 | 34.8 | 58.7 | 64.5 | 0.50 | 67.1 | 61.1 | 67.1 | 67.1 | 67.1 | | 67.1 | 67.1 | 67.1 | 67.1 |
| 1 1 1 | | 50.3 | 54.8 | 58.7 | 64.5 | 65.8 | - | 67.1 | 67.1 | - | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 1 | | 50.3 | 24.8 | 58.7 | 64.5 | 65.8 | 67.1 | | 57.1 | 67.1 | 67.1 | | | 67.1 | 67.1 | 67.1 |
| 0005 | | 50.3 | | 58.7 | 64.5 | 65.8 | 67.1 | | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 1 | | 31.6 | | 0.09 | 65.8 | 07.1 | | | 4.80 | 4.89 | 68.4 | 9.89 | 99.4 | 68.4 | 4.89 | 4.89 |
| 1 1 | | 52.3 | 56.8 | 60.7 | 66.5 | 67.7 | .6 | | 0.69 | | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| 1 | | 54.2 | 58.7 | 9.29 | 4.89 | 5 | | 0.1 | 71.0 | 71.0 | 71.0 | - | 11.0 | 11.0 | 11.0 | 11.0 |
| 3000 | | 60.7 | 8.69 | 1.69 | 75.3 | 76.8 | 78.1 | 78.1 | 78.1 | 78.1 | • | 78 | 78.1 | 78.1 | 78.1 | 78.1 |
| 1 | | 0.69 | 74.2 | 78.1 | 84.5 | 65.8 | | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 1 2000 | | 73.6 | 78.7 | 82.6 | 0.68 | 0.16 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 1 | | 74.2 | 79.4 | 83.2 | 89.7 | 91.6 | 6.26 | 95.9 | 6.36 | 92.9 | 92.9 | 92.9 | 92.9 | 2. | 92.9 | 95.9 |
| 141 | | 77.4 | 83.2 | 87.1 | 93.6 | 96.1 | 7.86 | 7.86 | 7.96 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 48.7 | 98.7 |
| 1 | | 78.1 | 84.5 | 88.4 | 8.76 | • | 00.00 | 100001 | 00 | 100.0 | 100.0 | 00 | 100.0 | 100.0 | 100.0 | 0000 |
| 1000 | | 78.1 | 84.5 | 4. 88 | 8. 76 | 97.41 | | 00 | 100.00 | 100.0 | 100 | 9 | 100.0 | .0 | 100.0 | 00.00 |
| | | 78.1 | 84.5 | 88.4 | 9.76 | 97.41 | 00.00 | 100.001 | 100.00 | 10000 | 100.0 | 100 | 100.0 | 100.0 | 100.0 | 0000 |
| 8 | | 78.1 | 84.5 | 88.4 | 8.46 | 97.41 | 100.001 | 100.00 | 00 | 100.0 | 100.001 | 100.0 | 100.0 | 100.0 | 100.0 | 0000 |
| | | 18.1 | 64.5 | 38.4 | 8.46 | 97.4 | 0000 | 0000 | 0.0010 | 100.0 | 100.001 | 100.001 | 100.001 | 100.0 | 100.0 | 0000 |
| 8 | | 78.1 | 84.5 | 88.4 | 8.46 | 97.4 | 100001 | 0.001 | 100.0 | 100.0 | 100.0 | 100.001 | 100.0 | 100.0 | 100.0 | 0000 |
| | | 78.1 | 84.5 | 88.4 | 8.46 | 97.4 | 0000 | 0.001 | 100.0 | 100.0 | 100.001 | 100.0 | 100.001 | 100.0 | 100.0 | 0000 |
| 8 | | 78.1 | 34.5 | 88.4 | 8.46 | 97.41 | 100.01 | 100.0 | 100.0 | 100.0 | | 100.0 | 100.0 | 100.0 | 100.00 | 0.00 |
| 38 | | 00 | | 4.8 | 8.76 | 97.4 | 00.00 | 00.00 | 100.0 | 100.0 | | 0.0010 | 0.001 | 100.0 | 100.0 | 0.00 |
| 30 | | 18.1 | 64.5 | | 94.8 | 97.4 | 00.00 | 0001 | 100.0 | | 100.0 | 100.0 | 0000 | 100.0 | 100.0 | 00.00 |
| 8 | 9.01 | 7.00 | , 4 d | | 96.0 | 07 | 0.00 | 000 | 00000 | 00000 | 100.00 | 0.001 | 0.001 | 0001 | 0000 | 00.00 |
| 1 | • | • | 200 | | 2000 | | 0.00 | 000 | 0.00 | 0001 | 2004 | •- | 5 | 0001 | 0.00 | 000 |

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

3-11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY MONTH

| CEITING | | | | | | | VIS | BILLITY (ST. | VISIBILITY (STATUTE MILES) | £S) | | | | | | |
|------------|------|------|------|--------|-------|-------|---------|--------------|----------------------------|---------|---------|---------|-------|--------|--------|-------|
| (FEET) | 2 41 | 9 | \$ 1 | * | 21 | 2 2% | 2 4 | V1 7 | ¥1 ¥ | - AI | ¾ Al | ₽ Al | N % | ≥ 5/16 | AI . | ٨١ |
| NO CEILING | 12.3 | 56.1 | 69.7 | 65.2 | 10.19 | 4.86 | 4.89 | 4.00 | 4.89 | 68.4 | 68.4 | 4.89 | 41.0 | 68 | 4 68.4 | 68.4 |
| 1 | • | 100 | 3000 | | • | | 200 | 2 | 0.1 | 001 | 200 | - | | 1 | 2000 | |
| 00081 | | 200 | 54.5 | 200 | 9 | 72.3 | 14.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72 | 72.3 | 72.2 |
| | | 29.4 | 64.5 | 0 | 41.6 | 12.3 | 12.3 | 72.3 | 72.3 | 72.3 | • | 72.3 | 72.3 | 12 | 72.3 | 72.3 |
| 12000 | | 0.09 | 65.2 | 69.7 | 72.3 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | - | 72.9 | 72.9 |
| 1 - | | 61.3 | 60.5 | 71.0 | 73.6 | 2.41 | 14.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74. | 74.2 | 74.2 |
| 000 | | 61.3 | 60.5 | 71.0 | 73.6 | 74.2 | 74.5 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 2 74.2 | 74.2 |
| | | 61.9 | 67.1 | 71.6 | 74.2 | 14.8 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 14.8 | 74.8 | 14. | 3 74.8 | 74.8 |
| 7000 | | 61.9 | 67.1 | 71.6 | 74.2 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 1 74. | 3 74.8 | 74.8 |
| | | 6119 | 67.1 | 71.6 | 74.2 | 14.8 | 74.8 | 74.8 | 14.8 | 74.8 | 74.8 | 14.8 | 74.8 | 14. | 3 74.8 | 74.8 |
| 0005 | 14.8 | 61.9 | 67.1 | 71.6 | 74.2 | 14.8 | 14.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74. | 8 74.8 | 74.8 |
| | • | 95.0 | 1.19 | 12.3 | | 15.5 | 15.5 | 15.5 | 75.5 | 75.5 | 75.5 | 15.5 | 75.5 | 15. | 5 75.5 | 75.5 |
| 0004 | | 63.2 | 4.89 | 12.9 | 75.5 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76. | 1 76.1 | 76.1 |
| | | 63.9 | 0.69 | 73.6 | 76.1 | 16.8 | 76.8 | 76.8 | 16.8 | 76.8 | 76.8 | 16.8 | 76.8 | 16. | 3 76.8 | 76.8 |
| 3000 | 15.5 | 71.6 | 76.8 | 81.3 | 83.9 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84. | 5 84.5 | 84.5 |
| 1 | | 16.8 | 81.9 | 86.5 | 99.0 | 1.68 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89. | 1 89.7 | 89.7 |
| 7 2000 | | 91.9 | 87.1 | 91.6 | 2.46 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 98. | 5 95.5 | 95.5 |
| | 17.4 | 82.6 | 1.18 | 92.3 | 8.46 | 50 | 1.96 | 1.96 | 96.1 | 96.1 | 1.96 | 1.96 | 96.1 | .96 | 1 96 1 | 96.1 |
| 1800 | | 83.9 | 89.0 | 93.6 | 1.96 | 96.8 | 4.16 | 4.16 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97. | . 97.4 | 97.4 |
| | | 84.8 | 6006 | 8 . 46 | 4.16 | | 1.86 | 1.85 | 18.1 | 98.7 | 7.86 | 98.7 | 98.7 | 98 | 1 98.7 | 98.7 |
| 90 | | 85.2 | 91.0 | 95.5 | 1.86 | 98.71 | 100.001 | 100.00 | 100.00 | 10000 | 100.0 | 100 | 100.0 | 100.0 | 0.0010 | - |
| | | 85.2 | 91.0 | | 1.36 | 98.71 | 100.001 | 10000 | 00.00 | 0.001 | 100.0 | 100.0 | 100.0 | 100 | 0100.0 | 10000 |
| 8 Al | 07 | 85.2 | 91.0 | 95.3 | 98.1 | 98.71 | 100001 | 100.00 | 100.00 | 10000 | 100.0 | 10000 | 100 | 1000 | 0.0010 | 100.0 |
| 78 | | 85.2 | 91.0 | 65.5 | | | 100001 | 00.00 | 0.001 | 0.001 | 100.0 | 100 | 00 | 100 | 0.0010 | 100.0 |
| 8 | œ | 85.5 | 0.16 | 95.5 | 98.1 | 98.71 | 100.001 | 100.00 | 0.001 | 10000 | 100.0 | 100.00 | 10000 | 100 | 0100.0 | 1000 |
| | 20 | 85.2 | 0.16 | 2 | 1.86 | 98. | 100001 | 00.00 | 00.001 | 00001 | 100.0 | 100.0 | 100 | 100 | 0100.0 | 100.0 |
| 8 | | 85.2 | 91.0 | 95.5 | 98.1 | 98.7 | 100.001 | 100.00 | 100.00 | 10000 | 100.0 | 100.0 | 10000 | 100 | 0,0010 | 100.0 |
| | 18.7 | 85.2 | 0.16 | 62.5 | 1.86 | 98.7 | 0.001 | | 0.00 | 0 | | 100 | - | 100 | 0100.0 | 1000 |
| N 200 | * | 85.5 | 0.16 | 95.3 | 186 | 98.7 | 100.00 | 100.00 | 0000 | 100.0 | 100.0 | 100.0 | 100.0 | 1000 | 0,000 | 10000 |
| 8 | 18.7 | 85.2 | 91.0 | 60.00 | | 78. | 00.00 | 0.00 | 0.00 | 0000 | 100.0 | 100.0 | 1001 | 1000 | 0.0010 | 100.0 |
| | 00 | 85.2 | 0.16 | 95.5 | 98.1 | 78. | 0.001 | 00.00 | 0.00 | 0000 | 100.0 | 100.0 | 1000 | 100 | 0100 | 1000 |

TOTAL NUMBER OF OBSERVATIONS

155

188

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

MAK

200

| MCCELING 8-4 54-8 59-4 61-9 63-9 64-5 | CEILING | | | | | | | VIS | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
|---|------------|------|----|------|-------|------|----|-----|----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|
| 9.7 78.1 6.4 54.8 59.4 61.7 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 65.4 65.4 | (FEET) | | | 5 21 | AI AI | | | 1 | | The same of | Ā | | | | 3 | 1 | 1 |
| 9000 9.7 58.1 62.6 65.2 67.1 67.7 67.7 67.7 67.7 67.7 67.7 67.7 | NO CEILING | 9 | | 6 | 6.10 | 63.9 | 4 | 64. | 4 | * | 4 | * | 64.5 | 4 | 04. | 4 | 64.5 |
| 10.3 58.7 63.2 65.8 67.7 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 | > 20000 | • | | 2 | 65.2 | 67.1 | - | 67. | 7 | 7. | - | - | | 7 | 67. | - | 67.7 |
| 10.3 58.7 63.2 65.8 67.7 68.4 | N 18000 | 10.3 | | 3. | | 67.7 | 00 | 58 | 00 | 20 | 8 | | | | 68. | R | 68.4 |
| 10.3 58.7 63.2 65.5 67.7 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.6 69.0 69.0 10.3 50.0 64.5 67.1 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 10.3 60.0 64.5 67.1 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.7 65.2 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.7 65.2 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.7 65.2 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 10.3 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 10.3 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 60.8 10.3 60.8 | | 10.3 | • | 3 | * | 67.7 | 00 | 58. | | 8 | 8 | | | | 68. | 8 | 68.4 |
| 10.3 59.4 63.9 66.5 66.4 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 | | 10.3 | | 3 | 3 | - | 00 | 68. | | 8 | 8 | 00 | | 8 | 68. | 8 | 4.89 |
| 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 | | 10.3 | | 3 | 9 | 00 | 6 | 69 | 6 | 6 | 6 | | | 6 | 69 | 0 | 0.69 |
| 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 | | 10.3 | | * | | 0 | 0 | 66 | 6 | 6 | 0 | | | 6 | 69 | 9 | 69.7 |
| 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 | | 10.3 | | ; | | 0 | 6 | .69 | 6 | 6 | | 1.69 | 69.7 | 5 | 6 | 0 | 69.7 |
| 7000 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 | 1 | 10.3 | | ; | | 0 | 6 | 69 | 6 | 6 | 6 | | 1 | 0 | 6 | 0 | 69.7 |
| 2500 10.3 60.0 64.5 67.1 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7 | | 10.3 | | ; | - | 0 | • | 69 | 6 | 6 | 6 | • | | 0 | | 0 | 69.7 |
| \$\text{10.3} \text{60.0} \text{64.5} \text{67.1} \text{69.7} \text{69.0} \text{60.0} \text | 1 | 10.3 | | | - | 0 | 0 | 69 | 6 | 6 | 6 | | 69 | 6 | 69 | 0 | |
| 10.3 60.7 65.2 67.7 69.7 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70 | | 10.3 | | ; | | 9 | a. | 69 | 6 | 6 | 6 | | 69 | 6 | 69 | 0 | |
| 10.3 61.3 65.8 65.4 70.3 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0 | | 10.3 | | | | 0 | 0 | 10. | 0 | 0 | 0 | | 10. | 0 | 70. | 0 | |
| 11.0 59.7 74.2 77.4 86.5 69.0 71.0 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 | | 10.3 | | 5 | | 0 | - | 71. | - | - | - | • | 7: | - | 71. | - | |
| 3000 11.0 69.7 74.2 77.4 79.4 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80 | 1 | 10.3 | | 9 | 6 | - | - | 1 | - | - | - | | | - | 11. | - | |
| 11.6 77.4 82.6 85.8 87.7 88.4 88.4 88.4 88.4 88.4 88.4 88 | | 11.0 | | * | - | 9 | ò | 90. | 0 | 0 | ò | • | 80 | 0 | 80. | 0 | |
| 2000 11.6 79.4 84.5 87.7 89.7 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 | 1 | 11.6 | | -7 | 3. | - | 00 | 88. | 8 | 8 | 8 | | 88 | 8 | 88 | 8 | |
| 11.6 79.4 84.5 87.7 89.7 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 | | 11.6 | | ; | - | 6 | 0 | 90. | 0 | 0 | 0 | • | 90 | | 90. | 0 | |
| 12.3 83.9 89.0 92.3 94.2 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 | | 11.6 | | | | 0 | 0 | .06 | 0 | 0 | ċ | | 90 | 0 | 90. | 0 | 90.3 |
| 12.3 84.5 90.3 94.2 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 | | 12.3 | | 6 | 2 | 4 | \$ | 94. | ; | * | * | • | 96 | 3 | . 76 | 4 | 94.8 |
| 12.3 84.5 90.3 94.2 96.8 97.4 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 | | 12.3 | * | 6 | 3 | 3 | 9 | 96 | 9 | | | • | 96 | 0 | 9 | 0 | 96.8 |
| 12.3 85.2 91.0 94.8 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | | 12.3 | 4 | 0 | * | 0 | 7 | 98. | 8 | 00 | 8 | • | 98 | C | 00 | 30 | 98.1 |
| 12.3 85.2 91.0 94.8 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | | 12.3 | | 0 | | - | 20 | 98 | | | 00 | • | 98. | 0 | | | 98.7 |
| 12.3 85.2 91.0 94.8 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | | 12.3 | 5 | : | * | 8 | 80 | 66 | 6 | 6 | 6 | • | 66 | 0 | 6 | 0 | 3.66 |
| 200 12.3 85.2 91.0 94.8 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | | 12.3 | 5 | - | . 5 | 8 | 00 | 66 | 6 | 0 | 6 | | 66 | | 6 | | 49.4 |
| 300 12.3 85.2 91.0 94.8 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | | 12.3 | 'n | : | , | 8 | 8 | 66 | 6 | 4.66 | 6 | • | 66 | | 6 | | 4.66 |
| 12.3 85.2 91.0 94.8 98.1 98.7 99.4100.0100.0100.0100.0100.0100.0100.01 | | 12.3 | 3 | : | 8.46 | | 00 | -66 | • | 4.66 | 6 | | | 6 | 66 | | 40.66 |
| 200 12.3 85.2 91.0 94.8 98.1 98.7 99.4100.0100.0100.0100.0100.0100.0100.01 | | 12.3 | 80 | : | 8.56 | | œ | 66 | | • | · | | 10001 | 0 | 100 | | 1000 |
| 200 12.3 85.2 91.0 94.8 98.1 98.7 99.4100.0100.0100.0100.0100.0100.0100.01 | | 12.3 | 2 | - | 2.76 | | • | 66 | 0 | • | 0 | | 0.001 | | 100 | • | 100.0 |
| 12.3 85.2 91.0 94.8 98.1 98.7 99.4100.0100.0100.0100.0100.0100.0100. | | 12.3 | 20 | - | 94.8 | | 00 | .66 | 100.001 | • | 0 | 0.001 | 0.001 | | 1001 | 100.0 | 100.0 |
| 0 12.3 85.2 91.0 94.8 98.1 98.7 99.4100.0100.0100.0100.0100.0100.0100. | | 12.3 | 3 | : | 8.46 | | 20 | .66 | 10001 | 100.001 | 00001 | 0.001 | 00001 | 100.0 | 10000 | 100.0 | 100.0 |
| | | 12.3 | 2 | : | 8.46 | | | | 100.001 | 100.001 | 10000 | 100.0 | 10000 | 100.0 | 1000 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

3886

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

22 8008 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | | | | | | | | | | |
|------------|-----|---------|-------|-------|------|---------|---------|--------|--------|-------|---------|-------|-------|--------|-------|------|
| (7667) | 2 1 | o Al | 5 41 | 1 | N AI | 2 2% | 7 41 | VI 71 | 7 | ÃI | % AI | * | Z Ai | 2 5/16 | AI AI | AI |
| NO CEILING | 3.3 | | 43.5 | 1.95 | 46.1 | 1.94 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 1.94 | 1.04 | 1.94 | 46.1 | 40. |
| ≥ 20000 | 3.9 | 44.8 | 46.1 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48. |
| | 3.9 | 44.8 | | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48. |
| 16000 | 3.9 | 44.8 | 46.1 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48. |
| | 3.9 | 44.8 | | 48. | 48.7 | 48. | 48.7 | 48.7 | 48.7 | 48.7 | 48.1 | 48.7 | 48.7 | 48.7 | 48.7 | 48. |
| > 12000 | 3.9 | 44.8 | 40.1 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48 |
| | 3.9 | | 41.4 | 50.0 | | 20.0 | ò | | 20.0 | 50.0 | 50.0 | .0 | 50.0 | | | 50. |
| 000 | 3.9 | 46.1 | 41.4 | 20.0 | 50.0 | 20.0 | 50.0 | | 50.0 | 50.0 | 50.0 | 20.0 | | 50.0 | 50.0 | 50. |
| 1 | 3.9 | 46.8 | 48.1 | 20.7 | 0 | | | 50.7 | 20.7 | | 0 | 0 | 50 | 50.7 | O | 50. |
| 7000 | 3.9 | | 48.1 | 50.7 | 50.7 | 50.7 | | | 20.1 | 50.7 | 50.7 | 50.7 | 50.7 | 0 | - | 50. |
| 1 | 3.9 | | 48.1 | 50.1 | 50.1 | 200 | | 50.7 | 50.7 | | 50.7 | | 50.7 | | _ | 50. |
| 200 | 3.9 | 4.1.4 | 48.7 | 51.3 | 51.3 | 51.3 | - | • | 51.3 | 51.3 | 51.3 | | | - | | 31. |
| 1 | 4.0 | 1.84 | 40.65 | | 52.0 | | 2 | 25.0 | 52.0 | 52.0 | 2 | 7 | 25.0 | 52.0 | 52.0 | 52. |
| 0004 | 4.6 | | 51.3 | 53.9 | | 53.9 | | • | \$3.9 | | | | | 3 | | |
| 1 | 4.6 | | 32.6 | 55.2 | 55.2 | 55.2 | | 55.6 | 2 | | 5 | 55.2 | 55.2 | 55.2 | | 55. |
| 3000 | 4.0 | | 56.3 | 59.1 | 29.1 | 29.1 | 1.65 | 59.1 | • | 59.1 | 29.1 | 6 | 29.1 | 59.1 | 59.1 | 59. |
| 1 | 9.4 | | 63.6 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | • | 2.99 | | 2.99 | 90.5 | 66.2 | | 99 |
| 7 2000 | 4.0 | | 72.7 | 75.3 | 3 | 13.3 | | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75. |
| | 4.6 | | 12.1 | 15.3 | 15.3 | | | 75.3 | 15.3 | 75.3 | 75.3 | 15.3 | 15,3 | | 75.3 | |
| 1500 | 4.6 | | 80.5 | 84.4 | 34.4 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | | | 85.1 | 85.1 | 85.1 | 85. |
| 1 | 4.6 | | 63.1 | 87.0 | | | 88.3 | | 88.3 | 88.3 | 00 | 88.3 | 88.3 | 88.3 | 88.3 | 88. |
| 8 | 4.6 | | 85.1 | 89.0 | 9.68 | 80.3 | | 90.3 | 80.3 | 80.3 | 90.3 | | 90.3 | 90.3 | 90.3 | 90. |
| | 4.5 | | 87.1 | 92.2 | 93.5 | 94.0 | 94.8 | 94.6 | 94.8 | 8.76 | | * | | * | 8.46 | . 76 |
| 8 | 4.6 | | 89.6 | 94.2 | 95.5 | 96.8 | 8.96 | 96.8 | 8.96 | 8.96 | 96.8 | 96.8 | 90.8 | 96.8 | 96.8 | 96 |
| | 4.5 | | 6.06 | 1.96 | 4.16 | 98.7 | 98.7 | 98.7 | 48.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98 |
| 98 | 4.6 | | 6006 | 96.1 | 4.16 | 98.7 | 7.86 | 98.7 | 98.7 | 7.86 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98. |
| 800 | 4.6 | | 6.06 | 31.4 | | 10000 | 0.001 | 00.001 | 00.00 | 0.001 | 100 | | - | 100.0 | 100.0 | 100 |
| 84 | 4.6 | | 6.06 | 4.16 | 98.7 | 100.001 | 100.001 | 100.00 | 100.00 | 0.001 | 100.0 | 10000 | 100 | 10000 | 100.0 | 100 |
| | 4.6 | | 6.06 | \$1.4 | | 100 001 | 0.001 | 100.00 | 0.00 | 0.001 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| 30 | 9.4 | 87.0 | 6.06 | 4.16 | 98.7 | 100.001 | 10000 | 100.00 | | 0.001 | 100.0 | 10000 | 100.0 | 100.0 | 100.0 | 90 |
| 81 | 4.6 | | 30.9 | | 1.86 | 100.001 | 0000 | 00.00 | 00.00 | 0 | 100.0 | 1000 | 100.0 | | 100.0 | 100 |
| | 7 | | | | - | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

154

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

73-77

YEARS

ALL MOUNT IL S.T. HAY MONTH

| RCENTAGE FREQUENCY OF OCCURRENCE | ROM HOURLY OBSERVATIONS) |
|----------------------------------|--------------------------|
| PERCENTAGE FREQ | (FROM HOUR |

| (FEET) | | | | | | - | - | | | | | | | | | |
|------------|------|------|-------|------|-------|------|---------|----------|------|---------|---------|------|---------|--------|--------|-----|
| | 2 | 9 | \$ AI | 1 | E A1 | Y 2% | 7 Al | VI 72 | ¥1 ¥ | - A1 | AI | * AI | Z Al | ₹ 5/16 | N N | AI |
| NO CEILING | 6.7 | 37.6 | 40.1 | 42.2 | 44.4 | 3 | 45.7 | 45.8 | 45.9 | 46.1 | 46.1 | 46.1 | 40.1 | | 1.04 | 40. |
| ≥ 2000 | 7.3 | 39.1 | 41.7 | 43.8 | 46.0 | 46.7 | 47.3 | 41.4 | 47.5 | 47.7 | 47.1 | 47.7 | | 47.7 | • | 47. |
| | 7.5 | 39.4 | 42.0 | 44.1 | 46.3 | 0.14 | 47.7 | 4.1.4 | 47.8 | 48.1 | 1.84 | 1.84 | 46.1 | 48.1 | 48.1 | 48. |
| 14000 | 7.5 | 39.4 | | | 46.3 | 47.0 | 47.7 | 47.7 | • | 48.1 | 48.1 | 48.1 | 48.1 | | 48.1 | 48. |
| | 7.5 | 39.4 | | 44.1 | 46.3 | 0.14 | 47.7 | • | 47.8 | 48.1 | 48.1 | | 1.04 | 48.1 | 48.1 | 48. |
| 12000 | 7.5 | 39.7 | 42.3 | 44.4 | 46.5 | 47.3 | 47.9 | 48.0 | 48.1 | 48.3 | 48.3 | | 48.3 | | 48.3 | 48. |
| | 1.7 | 40.6 | 43.1 | 45.2 | 47.4 | 48.1 | 48.8 | | | 49.2 | 49.2 | 6 | | | 49.2 | .64 |
| 8 | 7.7 | 40.6 | 43.1 | 45.2 | 4.7.4 | 48.1 | 48.4 | 48.9 | | 49.2 | 7.64 | | 49.2 | 7.64 | 49.2 | 64 |
| | 7.7 | 41.0 | | 45.7 | 47.9 | 48.6 | 49.3 | 4.64 | 4.64 | 49.7 | 49.7 | | 49.7 | 49.7 | 49.7 | 49. |
| 141 | 7.7 | 41.1 | | 45.8 | 48.0 | 48.7 | 4.64 | 40.4 | 49.5 | 8.64 | 49.8 | 8.64 | 49.8 | | 49.8 | 64 |
| 1 | 7.7 | 41.1 | | 45.8 | | 48. | | 4.65 | | 6 | 8 6 6 5 | 6 | 8.69 | 6 | | 49. |
| 8 8 | 7.7 | 41.6 | | 46.3 | 48.5 | 2.64 | | 6.64 | 50.0 | 5005 | 50.2 | 50.5 | 50.2 | 5005 | 50.5 | 200 |
| 1 | 7.8 | 42.1 | | 0 | | 5 | 0 | 0 | | 0 | | 50.7 | | | | 50. |
| 8 8 | 7.8 | 43.1 | 45.6 | 47.7 | 6.64 | 50.7 | 51.3 | 51.4 | 51.5 | | 51.7 | 51.7 | | 51.7 | | 51. |
| 1 | | 44.3 | | 0.64 | | | | 2 | | | 52.9 | 2 | | 52.9 | 5. | |
| 388 | | 50.6 | | | 57.7 | 58.4 | 59.1 | | 59.3 | 59.5 | | 59.5 | 59.5 | 59.5 | 58.5 | 59. |
| 1 | | 57.8 | | | 65.1 | 3. | 9 | 0 | 9 | | | | | | | |
| 200 | | 65.5 | 68.7 | | 73.5 | 74.4 | 75.3 | 75.4 | 75.4 | | 75.7 | 3 | 75.7 | 75.7 | 75.7 | |
| | | 66.2 | 69.5 | - | | 2 | 0 | 9 | | | | 76.5 | 76.5 | 76.5 | 76.5 | |
| 2 8 | | 71.9 | 76.1 | 78.9 | 81.7 | 82.9 | 83.9 | 84.1 | 84.2 | | | | | 84.4 | 84.4 | 84. |
| 1 | | 74.1 | | 2 | 3 | 2 | | 8 | | | | 88.9 | 86.9 | 88.9 | | 88 |
| 1 11 | 10.3 | 75.3 | 80.6 | 84.3 | 4.88 | 0 | | 91.6 | 91.8 | 92.2 | 92.2 | | 92.2 | | 92.2 | |
| 1 | | 75.9 | | 85.4 | 89.7 | 61.5 | | | | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | | |
| 8 | | 76.5 | 82.4 | 9 | 0.16 | 2 | | ; | 95.0 | | | 95.4 | | | 95.4 | |
| 1 | | 76.7 | 82.7 | | 616 | | 98.5 | 0 | 96.1 | . 9 | 96.5 | • | 96.5 | 96.5 | | |
| 8 | | 76.7 | 82.7 | 87.3 | 1.26 | | 5 | 8.96 | 96.4 | 7.96 | | | | • | 96.8 | 96 |
| | | 76.7 | 82.9 | 87.7 | 92.5 | | 5.96 | | 97.3 | | 97.8 | - | | | | 97. |
| 38 | 10.3 | 76.7 | 83.0 | 88.1 | 8.76 | 95.1 | - | 0.86 | 98.1 | 98.7 | | | | 6.86 | 6.86 | |
| 1 | | 76.7 | 83.0 | 84.1 | 65.6 | 2.56 | 97.4 | 98.2 | 4.86 | 0.66 | 7.66 | | | | 4.66 | |
| 141 | 10.3 | 76.7 | 83.0 | 88.1 | 6.26 | 5 | 4.26 | 8 | | 6 | | 6 | | | 6 | 66 |
| - | | 76.7 | 83.0 | 88.1 | 6.26 | 99.5 | 4.16 | 68.3 | 98.5 | 66.3 | 7.66 | 66.6 | 49.7 | 49.1 | 8.66 | 0 |
| ١٨١ | 0 | 7.91 | | 88.1 | | 2 | 91.4 | | 98.5 | ċ | 4.66 | | 99.7 | | | |

TOTAL NUMBER OF OBSERVATIONS

1238

36

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO.

10 NOUNE (1 5 7)

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES | | | | | | |
|------------|-----|---------|------|------|------|------|------|----------------------------|-----------|------|--------|------|---------|--------|-------|-----|
| (FEET) | 2 | o Al | \$ | 7 | S Al | 2 2% | 2 4 | VI 71 | 71 71 | - | AI | * | Z Al | ≥ 5/16 | N AI | AI |
| NO CEILING | 0.0 | 40. | 42.0 | 45.0 | 42.0 | 42.1 | 42.7 | 42.1 | 42.7 | 42.7 | 42.1 | 1.24 | 1.24 | 42.7 | 42.7 | 42. |
| > 20000 | • | 41.3 | 42.7 | 42.7 | 42.7 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| | | 41.3 | 42.7 | 42.7 | 42.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| N 14000 | | 41.3 | 42.7 | 45.7 | 42.7 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| | 0 | 41.3 | 45.1 | 42.1 | 42.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| > 12000 | 0 | 41.3 | 42.7 | 45.7 | 42.7 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| 1 | | 41.3 | 45.7 | 45.1 | 42.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| 0006 | • | 41.3 | 42.7 | 42.7 | 42.7 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| | | 41.3 | 42.1 | 42.1 | 42.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| 1 7000 | 0.9 | 41.3 | 42.7 | 42.7 | 42.7 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43 |
| 1 | 0.0 | 41.3 | 42.1 | 45.1 | 42.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| 2000 | | 41.3 | 45.7 | 42.7 | 42.7 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| | | 41.3 | 42.1 | 45.1 | 42.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43. |
| 0004 | 6.7 | 45.0 | 44.0 | 0.44 | 44.0 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | * |
| | 6.1 | 45.1 | 44.1 | 44. | 44.1 | 45.3 | 45.3 | 45.5 | 45.3 | 45.3 | 45.3 | 45.3 | | 45.3 | 45.3 | 45. |
| 3000 | 6.7 | 43.3 | 45.3 | 45.3 | 45.3 | 0.94 | 46.0 | 46.0 | 0.94 | 46.0 | 46.0 | 0.95 | 46.0 | 46.0 | 46.0 | 40. |
| | 6.7 | 44.7 | 46.7 | 46.1 | 40.1 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | | 47.3 | 47.3 | 47.3 | 47. |
| 7 2000 | 6.7 | 20.0 | 52.0 | 25.0 | 55.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52. |
| | 1.3 | 2001 | 25.1 | 52.1 | 52.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53. |
| 1500 | 7.3 | 2.09 | 63.3 | 63.3 | 1.49 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65,3 | 65.3 | 65.3 | 65. |
| | 7.3 | 0.99 | 1001 | 72.0 | 75.3 | 0.9 | 16.0 | 76.0 | 16.0 | 16.0 | 76.0 | 76.0 | 16.0 | 76.0 | 76.0 | 76. |
| V 1000 | 7.3 | 72.7 | 78.7 | 81.3 | 86.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | | 86.7 | 86.7 | 86. |
| | 7.3 | 74.0 | 80.0 | 83.3 | 88.0 | 88. | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | | 88.7 | 88.7 | 88 |
| 00 AI | 7.3 | 75.3 | 85.0 | 0.98 | 91.3 | 95.0 | 95.0 | 95.0 | 95.0 | 92.0 | 95.0 | 95.0 | 92.0 | 92.0 | 92.0 | 92. |
| | 1.3 | 75.3 | 0.78 | 87.3 | 1.26 | 0.46 | 0.46 | 0.46 | 0.96 | 0.46 | 0.46 | 0.96 | 0.46 | 0.76 | 0.06 | 94. |
| 000 | 7.3 | 78.3 | 85.0 | 87.3 | 1.76 | 0.46 | 0.46 | 0.46 | 0.96 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 96 |
| | 7.3 | 75.3 | 62.7 | 0.88 | 1.56 | 0.96 | 0.96 | 1.96 | 4.96 | 1.96 | 1.96 | 1.96 | 96.7 | 96.7 | 46.7 | 96 |
| 004 | 7.3 | 75.3 | 82.7 | 88.0 | 95.3 | 1.96 | 97.3 | 0.86 | 98.0 | 98.0 | 98.0 | 0.86 | 98,0 | 98.0 | 98.0 | 98. |
| 38 | 7.3 | 75.3 | 52.7 | 0.88 | 65.3 | 96.1 | 81.3 | 0.8€ | 0.86 | 186 | | 98.7 | 48.7 | 98.7 | | 86 |
| | 1.3 | 15.3 | 25.1 | 0.88 | 95.3 | 21.3 | 0.86 | 1.96 | 78.7 | 1000 | • | 0000 | 0000 | 100.0 | | 00 |
| 8 | | 15.3 | 82.1 | | 95.3 | 27.0 | 0.86 | 1 96 | | | • | 8 | • | 100.0 | 100.0 | 00 |
| 1 | | 13.3 | 1.70 | 0.00 | 73.9 | 21.3 | 78.0 | 1006 | 1001 | 0000 | 0.0010 | 00 | .0400.0 | 1000 | 10000 | 00 |

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

Q

0

04 MOUNT (1 5 T) S C

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | | | | | | | VISII | VISIBILITY (STATUTE MILES) | NTUTE MILE | SS | | | | | | |
|-------------------|-----|---------|----------|------|------|------|-------|----------------------------|------------|---------|---------|------|------|--------|------|------|
| | 0 1 | • Al | \$ Al | 7,1 | 21 | ≥ 2% | 7 | ¥1 | ¥1 ×1 | <u></u> | % Al | * | Z. | ≥ 5/16 | VI N | 0 |
| NO CEILING | | 26.0 | | 28.0 | 28.7 | 28.7 | 8 | | | | | | 29.3 | | | 29.3 |
| × 20000 | | | 28.0 | 28.7 | 6 | | 29.3 | 29.3 | 29.3 | 29.3 | 0 | 30.0 | | | | |
| | | | | | 6 | 29.3 | 6 | | 6 | 6 | 0 | | | • | | |
| 00091 × | | | 28.0 | 28.7 | 29.3 | 29.3 | 6 | 29.3 | 6 | 6 | 30.0 | | | 0 | 30.0 | |
| | | | 28.0 | | 6 | | 6 | | 29.3 | 29.3 | | 30.0 | 30.0 | 30.0 | | 30.0 |
| 7 12000 | | | 28.7 | 29.3 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | | | | | 0 | | 30.7 |
| 1 | 4.7 | | 8 | 29.3 | 0 | | 0 | | | 0 | | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| 0006 | • | 27.3 | 28.7 | 29.3 | 30.0 | 0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| | | | | 20.3 | 0 | 30.0 | | 30.0 | 30.0 | | 30.7 | 30.7 | • | 30.7 | 30.7 | 30.7 |
| 7000 | | | 28.7 | 29.3 | | 0 | ò | 30.0 | | 0 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| 1 | | | 28.7 | 20.3 | 30.0 | 0 | 0 | | | · | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| 9000 | | | 28.7 | | 0 | 30.0 | | 30.0 | 0 | ċ | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| 1 | | | 28.7 | 29.3 | 30.0 | | 0 | | | 0 | 30.7 | 30.7 | 30.7 | | 30.7 | 30.7 |
| 141 | | | 30.0 | 30.7 | : | 31.3 | 31.3 | 31.3 | - | | 35.0 | 32.0 | | 32.0 | 32.0 | 32.0 |
| 1 | | | 30.7 | | 32.0 | 35.0 | | 35.0 | 2 | 32.0 | 32.1 | 32.7 | 7 | 32.7 | | 32.7 |
| 3000 | | | | | | 3. | 3 | 33.3 | • | | 34.0 | | 34.0 | | 34.0 | 34.0 |
| 1 | | | | 34.7 | 35.3 | - | | 35.3 | 3 | | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| 1 2000 | | | 38.7 | | 40.0 | 40.0 | 40.0 | 0.04 | • | 40.0 | 40.1 | 40.1 | 0 | 40.1 | | 40.7 |
| | | | - | | 5. | 5 | 42.7 | 42.7 | 2 | 42.1 | 3 | 43.3 | 43.3 | | 43.3 | 43.3 |
| 1500 | | | | 20.1 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 52.0 | 52.0 | | 52.0 | 52.0 | 52.0 |
| | | | 53.3 | 54.7 | 26.0 | 26.0 | • | 26.0 | 26.0 | 26.0 | 20.1 | 56.7 | 56.7 | 56.7 | | 26.7 |
| 1000 | • | | | 0.99 | 0 | 10.7 | 72.0 | 72.0 | 2. | | 5 | 72.7 | | 72.7 | 2. | 72.7 |
| | | | | 68.7 | 73.3 | 13.3 | | 74.7 | 74.7 | 74.7 | 75.3 | 5 | 75.3 | 3 | 75.3 | 75.3 |
| 008 | | | 65.3 | 71.3 | 8. | 000 | 19.3 | 19.3 | | 19.3 | 0 | | | | 0 | 80.0 |
| | | | | 72.0 | 80.0 | 0.00 | 5 | | 85.0 | 82.0 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 8 | | | | 73.3 | | 2. | 84.7 | 84.7 | | 84.7 | | 85.3 | | 85.3 | | 85.3 |
| | | | | 78.3 | | | 88.7 | 89.3 | 89.3 | 91.3 | 2 | 92.0 | | 92.7 | 92.7 | |
| N 400 | | | | 76.7 | | 96.7 | 0 | | 2006 | | 0.46 | 0.46 | ; | 64.7 | | 95.3 |
| | | | 69.3 | 16.7 | | | | 1.06 | 40.1 | | 1.96 | 1.56 | | 3. | 1006 | 97.3 |
| 14 200 | 5.3 | 95.0 | 69.3 | 76.7 | | | • | 106 | | | 5 | 95.3 | | • | - | 98.7 |
| 8 | • | | 69.3 | 16.7 | 86.1 | 96 | 0.06 | 106 | 100 | 93.3 | 93.3 | | 0.06 | 0.96 | 0.86 | |
| ٨١ | • | | 69.3 | 16.1 | 86.1 | 69. | o | 40.1 | 0 | | 2 | 95.3 | • | • | 0 | 00.0 |

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10N 07

840

| 2 10 2 6 2 5 2 4 2 3 2 2 7 2 2 | CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES) | | | | | | |
|--|------------|-----|-------|----|-------|-------|------|------|-------------|----------------------------|------|------|------|------|----|------|---------|
| 4.7 18.7 19.3 21.3 22.3 22.3 22.3 22.3 22.3 22.3 22 | (FEET) | | 1 000 | AL | | 1 | | 1 | | | | 1 | | 1 | | 1 | 0 Al |
| 4.7 18.7 19.3 21.3 23.3 23.3 23.3 23.3 23.3 23.3 23 | NO CEILING | | | | 0 | 2 | 2 | 2 | | 22.7 | 2 | 2 | 2 | 6 | 3. | | 23.3 |
| 18000 4.7 18.7 18.3 21.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 24.0 | ≥ 20000 | | • | 6 | 1. | 3 | 3 | 3. | | 23.3 | 3 | | 3 | , | ; | | |
| 10000 4.7 18.7 19.3 21.3 23.3 23.3 23.3 23.3 23.3 23.3 23 | | 4.7 | 18.7 | | - | 3 | 3. | 3. | | 23.3 | 3 | | 3 | | | | 24.0 |
| 1000 4.7 18.7 19.3 21.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 24.0 2 | | 4.7 | 18.7 | | - | 3 | 3 | ë | - | 23.3 | 3 | ë | | * | 4 | | |
| 13000 4.7 18.7 19.3 21.3 23.3 23.3 23.3 23.3 23.3 23.3 23 | | 4.7 | 18.7 | | - | | 3 | 3 | | 23.3 | 3 | | 3 | | 4 | | 24.0 |
| 10000 4.7 18.7 19.3 21.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 23.3 24.0 | | 4.7 | 18.7 | | - | 3 | 3 | | * | 23.3 | 3 | | 3 | | * | | 24.0 |
| 9000 4.7 19.3 20.0 22.0 24.0 24.0 24.0 24.0 24.0 24.0 | | 7.5 | 18.7 | | | 3. | 3. | | | 23.3 | 3. | | 3 | | 4 | | 24.0 |
| 9000 4.7 19.3 20.0 22.0 24.0 24.0 24.0 24.0 24.0 24.0 | | 4.7 | R | | - | 3 | | | - | 23.3 | 3. | | 3 | | 4 | | 24.0 |
| 7000 4.7 19.3 20.0 22.0 24.0 24.0 24.0 24.0 24.0 24.0 | 1 | 4.7 | 19.3 | 0 | 2. | | 4 | 3 | | 3 | | | 4 | | 4 | | 24.7 |
| 4.7 20.0 20.7 22.7 24.7 24.7 24.7 24.7 24.7 24.7 24 | | 4.7 | 19.3 | 0 | 2. | * | 4 | * | : | 3 | ; | | ; | | 4 | | 24.7 |
| 4.7 20.0 20.7 22.7 24.7 24.7 24.7 24.7 24.7 24.7 24 | 1 | 4.7 | 19.3 | 0 | 22.0 | * | 4 | 3 | | 3 | * | | | | 4 | | 24.7 |
| 4.00 4.7 20.7 21.3 23.3 25.3 25.3 25.3 25.3 25.3 25.3 25 | | 4.7 | | 0 | 22.7 | | 4 | * | | ; | ; | | | 25.3 | 3 | 3 | 25.3 |
| 4.7 20.7 21.3 22.3 25.3 25.3 25.3 25.3 25.3 25.3 25 | 1 | | 20.7 | - | 5 | 5 | 5 | 3 | T. | 2 | 3 | | | 26.0 | 0 | 0 | 26.0 |
| 4.7 21.3 22.0 24.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26 | | | 20.7 | - | | 3 | 30 | 5 | | 5 | 2 | | | 26.0 | 9 | | 26.0 |
| 25.00 4.7 21.3 22.0 24.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26 | 1 | | 21.3 | 7 | 24.0 | 9 | 0 | 9 | | 0 | 9 | | | | 9 | 0 | 26.7 |
| 2500 6.0 24.0 24.7 27.3 29.3 30.0 30.0 30.0 30.0 30.0 30.0 30.0 3 | | 4.7 | 21.3 | 2 | * | 9 | 9 | 9 | | 6. | 9 | | | 0 | 9 | | 26.7 |
| 2000 6.7 28.0 28.7 37.3 37.3 37.3 37.3 37.3 37.3 37.3 3 | | 0.0 | 24.0 | 3 | | 6 | 0 | 0 | 1: | 0 | 0 | | | | 0 | 30.7 | 30.7 |
| 1500 6.7 28.7 29.3 39.3 37.3 38.0 38.0 38.0 38.0 38.0 38.0 38.0 52.0 52.0 35.7 38.7 38.7 38.7 38.7 36.0 38.7 24.0 38.7 24.0 50.0 50.7 52.0 52.0 52.0 52.0 52.7 52.7 52.7 52.7 52.7 32.7 36.0 36.0 38.7 44.0 50.0 50.7 52.0 52.0 52.0 52.0 52.0 52.0 52.7 52.7 52.7 32.7 36.0 36.0 38.7 44.0 50.0 50.0 50.7 50.7 56.7 56.7 56.7 56.7 56.7 57.3 57.3 57.3 57.3 57.3 57.3 57.3 57 | | 6.7 | 28.0 | 28 | | | | - | | 1 | - | | | | 8 | | 38.0 |
| 1500 6.7 36.0 38.7 44.0 50.0 50.7 52.0 52.0 52.0 52.0 52.0 52.0 52.7 52.7 52.7 52.7 36.7 36.0 36.7 36.0 38.7 44.0 50.0 50.7 50.7 56.7 56.7 56.7 56.7 57.3 57.3 57.3 1000 6.7 39.3 43.3 52.0 56.0 56.0 56.7 56.7 56.7 56.7 57.3 57.3 57.3 57.3 57.3 57.3 57.3 57 | 1 | | 28.7 | 52 | 3. | | 00 | | | 20 | 00 | | | | 8 | 38.7 | 38.7 |
| 1200 6.7 36.0 38.7 44.7 51.3 52.0 56.0 56.7 56.7 56.7 56.7 56.7 57.3 57.3 57.3 57.3 1000 6.7 39.3 43.3 52.0 63.3 66.0 70.7 72.7 73.3 73.3 73.3 73.3 74.0 74.0 74.0 74.0 52.7 64.0 52.7 64.7 72.7 72.7 73.3 73.3 73.3 73.3 74.0 76.7 76.7 76.7 6.7 6.7 76.0 44.0 52.7 64.0 69.3 76.7 81.3 82.0 82.7 82.7 82.7 82.7 82.7 82.7 82.7 82.7 | | 0.7 | 36.0 | 38 | 4 | | 0 | | .: | 2. | 5. | | | | | 32.7 | 52.7 |
| 1000 6.7 39.3 43.3 52.0 63.3 06.0 70.7 72.7 73.3 73.3 73.3 73.3 74.0 74.0 74.0 74.0 74.0 6.7 40.0 44.0 52.7 64.7 67.3 72.7 74.7 75.3 76.0 76.0 76.0 76.7 76.7 76.7 76.7 60.0 6.7 40.0 44.0 52.7 66.0 69.3 76.7 81.3 82.0 82.7 82.7 82.7 82.7 82.3 83.3 83.3 83.3 83.3 83.3 83.3 67.3 71.3 79.3 86.7 85.3 86.7 87.3 87.3 87.3 88.0 88.0 88.0 50.7 40.0 44.7 53.3 67.3 71.3 79.3 86.7 86.0 90.0 90.7 90.7 91.3 91.3 91.3 50.0 5.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 40.0 60.7 40.0 60.7 60.7 80.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 40.0 60.7 40.0 60.7 60.7 80.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 40.0 60.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 40.0 60.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 60.7 60.0 60.0 72.7 80.7 93.3 95.3 95.3 95.3 97.3 98.0 98.7 100 60.7 60.7 60.0 60.0 72.7 80.7 80.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 60.7 60.0 60.0 72.7 80.7 80.7 93.3 95.3 95.3 97.3 97.3 98.7 100 98.7 100 60.0 60.0 72.7 80.7 90.7 93.3 95.3 95.3 97.3 97.3 98.7 100 98.7 100 60.0 72.7 80.7 90.7 93.3 95.3 95.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97 | | 6.7 | 36.0 | • | - | - | C. | | | 56.7 | 9 | | | | - | | 57.3 |
| 500 6.7 40.0 44.0 52.7 64.7 67.3 72.7 74.7 75.3 76.0 76.0 76.0 76.7 76.7 76.7 76.7 50.0 6.7 40.0 44.0 52.7 66.0 69.3 76.7 31.3 82.0 82.7 82.7 82.7 82.3 83.3 83.3 83.3 83.3 83.3 60.7 40.0 44.7 53.3 67.3 71.3 79.3 86.7 86.0 90.0 90.7 90.7 91.3 91.3 91.3 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.0 50.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 64.7 54.0 68.0 72.7 80.7 93.3 95.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 60.7 60.0 60.0 72.7 80.7 93.3 95.3 95.3 95.3 97.3 98.0 98.7 50.0 60.7 60.0 60.0 72.7 80.7 93.3 95.3 95.3 95.3 97.3 98.0 98.7 70.0 60.7 60.7 60.7 60.7 93.3 95.3 95.3 97.3 98.0 98.7 70.0 98.7 70.0 60.0 72.7 80.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 70.0 98.7 70.0 60.0 72.7 80.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 70.0 90.7 70.0 60.0 72.7 80.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 70.0 90.7 70.0 90.7 70.0 90.7 90.7 90 | | 0.1 | 39.3 | 3 | 5 | 3 | ; | | .: | 73.3 | • | • | | | * | • | 74.0 |
| 6.0 6.7 40.0 44.0 52.7 66.0 69.3 76.7 31.3 82.0 82.7 82.7 82.7 83.3 83.3 83.3 83.3 83.3 83.3 60.7 40.0 44.7 53.3 67.3 71.3 78.7 86.7 86.0 90.0 90.7 90.7 91.3 91.3 91.3 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 88.3 92.0 92.7 92.7 94.0 94.0 94.0 5.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 60.7 60.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 9 | | 1.0 | 40.0 | | 52.1 | * | | | : | 2 | 9 | | | | 0 | 0 | 76.7 |
| 500 6.7 40.0 44.7 53.3 67.3 71.3 78.7 84.7 85.3 86.7 87.3 87.3 88.0 88.0 88.0 5.7 40.0 44.7 53.3 67.3 71.3 79.3 86.7 86.0 90.0 90.7 90.7 91.3 91.3 91.3 50.0 5.7 40.0 44.7 54.0 68.0 72.7 80.7 80.3 92.0 92.7 92.7 92.7 94.0 94.0 94.0 5.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 | | 6.7 | 40.0 | | 52.7 | • | 0 | | 81.3 | 2 | 2 | • | 82.7 | | 3. | 3 | 83.3 |
| 500 6.7 40.0 44.7 53.3 67.3 71.3 79.3 86.7 88.0 90.0 90.7 90.7 91.3 91.3 91.3 50.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 92.0 92.7 92.7 94.0 94.0 94.0 30.0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 60.0 60.0 60.0 60.0 60.0 72.7 80.7 80.7 93.3 95.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 9 | | 6.7 | 40.0 | 1 | 53.3 | 67.3 | 11.3 | | 84.7 | 85.3 | | | 87.3 | | 8 | 8 | 88.0 |
| 500 6.7 46.0 44.7 54.0 68.0 72.7 86.7 88.0 89.3 92.0 92.7 92.7 94.0 94.0 94.0 44.0 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.0 300 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 6.7 40.0 64.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 100 60.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 9 | | 6.7 | 40.0 | | \$3.3 | 67.3 | 71.3 | | 86.7 | 88.0 | ċ | 0 | 90.7 | | - | = | 91.3 |
| 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.0 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 80.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 80.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 80.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 80.7 90.7 93.3 95.3 95.3 97.3 98.0 98.7 200 6.7 60.0 44.7 54.0 68.0 72.7 80.7 80.7 90.7 93.3 95.3 95.3 97.3 97.3 98.0 98.7 200 6.7 60.0 60.0 60.0 60.0 72.7 80.7 80.7 93.3 95.3 95.3 95.3 97.3 98.0 98.7 200 60.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 9 | | 6.1 | 0.04 | 1 | 24.0 | 80 | | | 8 | 89.3 | 2. | • | 1.26 | 0.46 | * | | 0.46 |
| 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 | | 6.7 | 40.0 | | 24.0 | | • | | 89.3 | 40.4 | 3. | 62.3 | 88.3 | 97.3 | | | 98.0 |
| 200 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 100 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.71 | | | 0.04 | 1 | 24.0 | 0.89 | 12. | | 89.3 | 106 | | - | 95.3 | 97.3 | * | 1.86 | 0.001 |
| 0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 98.0 98.7 | | 6.7 | 40.0 | | 24.0 | 7.000 | 72.7 | | 89.3 | 10.06 | 3 | - | | 6.16 | 8 | 98.7 | 0000 |
| 0 6.7 40.0 44.7 54.0 68.0 72.7 80.7 89.3 90.7 93.3 95.3 95.3 97.3 9 | | | 0.04 | | 24.0 | 68.0 | 15.1 | | 89.3 | 2006 | 93.3 | 62.3 | | 97.3 | | 198. | 0000 |
| | | 6.7 | 40.0 | | 24.0 | 68.0 | 72.7 | | 89.3 | 2006 | 93.3 | 95.3 | | 97.3 | | 1.86 | 0.001 |

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

93114 STATION

YEARS

10 ST.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| OOOOOMMMMMMTT TOOMMMOOT | 00.000000000000000000000000000000000000 |
|--|---|
| 200000mmmmmmmmmmmoormmmoormmmo | |
| | 0000 |
| | |
| * 00000mmmmmmmmmmmoormmoormmmo | 0000 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0000 |
| | 5000 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0000 |
| 00000mmmmmmmmmmoormmmoormmmo | 0000 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8888 |
| Ommandon 100m 100m 111mmmmocococ | 5555 |
| 1 1 1 2 2 2 3 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 0000 |
| | 0000 |
| | 0000 |
| 3 00000 www www.rrrwwoorwwwo | 0000 |
| 1 | 9999 |
| | 0000 |
| | 0000 |
| 2 1% 2 1% 2 1% 2 1% 2 1% 2 1% 2 1% 2 1% | 0000 |
| 7777000 2000 000 000 000 00 20 20 20 20 00 0 | |
| | 0000 |
| 2 000000000000000000000000000000000000 | 0000 |
| | 0000 |
| | 0000 |
| 44444444444444444444444444444444444444 | 0000 |
| | 0000 |
| 44444444444444000000000000000000000 | 0000 |
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| | |
| | 525 |
| " " " " " " " " " " " " " " " " " " " | |
| | 20 20 20 20 |
| AI | |
| EET) COOOO COOO C | 88 80 |
| CELLING OF CELLIN | |
| 2 | |

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 S

Š

| CEILING (FEET) | 2 41 | o Al | 50 | Ä | e Al | > 2% | VISI V | VISIBILITY (STATUTE MILES) | ATUTE MILI | (S) 1 | AI AI | * | Z IA | 2 5/16 | AI | O AI |
|---|------|------|------|------|------|-------|---------|----------------------------|------------|--------|---------|-------|-------|--------|---------|-------|
| NO CEILING | 10.0 | 53. | 61.3 | 0.89 | 75.3 | | 78.0 | 0.87 | 78.0 | 900 | | 78.0 | 78.0 | 78.0 | 78.0 | |
| ≥ 20000 | 10.0 | 54. | 62.7 | 69.3 | 76.7 | 00 | 80.7 | 80.7 | 80.7 | | 80.7 | 80.7 | 80.7 | 0 | 80.7 | 80.7 |
| | 10.0 | 55. | 0.49 | 10.1 | • | 0 | 82.0 | 85.0 | 82.0 | 2. | 85.0 | 85.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ¥ 16000 | 10.0 | 53. | 0.49 | 70.7 | 78.0 | 80.0 | 82.0 | 85.0 | 82.0 | 85.0 | 85.0 | 82.0 | 82.0 | 85.0 | 85.0 | 85.0 |
| | 10.0 | 53. | 0.49 | 1001 | 78.0 | 0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | | 82.0 | 82.0 |
| 2 12000 | 10.0 | 53. | 0.49 | 70.7 | 78.0 | 80.0 | 82.0 | 85.0 | 82.0 | 82.0 | 85.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 1 | 10.0 | 56. | 65.3 | 72.0 | 19.3 | 61.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 000 1 A1 | 10.0 | 56. | 65.3 | 72.0 | 79.3 | 81.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| | 10.0 | 56. | 65.3 | 72.0 | 79.3 | 81.3 | 83.3 | 83.3 | 63.3 | 83.3 | 83.3 | 83.3 | 83.3 | 63.3 | 83.3 | 83.3 |
| 1 1 1 | 10.0 | 56 | 65.3 | 72.0 | 79.3 | 81.3 | 83.3 | 83.3 | 83.3 | | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 1 | 10.0 | 56. | 65.3 | 72.0 | 19.3 | 61.3 | | 83.3 | 63.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 000 1 A I | 10.7 | 57. | 0.99 | 72.7 | 80.0 | 82.0 | | 84.0 | 84.0 | * | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| | 10.7 | 57. | 0.09 | 72.7 | 80.0 | | | 84.0 | | 4. | 84,0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 11 11 | 10.7 | 57 | 0.99 | 72.7 | 80.0 | 82.0 | | 84.0 | 84.0 | 64.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| | 10.7 | 58. | 67.3 | 74.0 | 81.3 | 63.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 3000 | 10.7 | 59 | 0.89 | 74.7 | 82.0 | 84.0 | 86.0 | 86.0 | 86.0 | 9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 1 | 11.3 | 62. | 71.3 | 78.0 | 85.3 | 87.3 | | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | | 89.3 | | 89.3 |
| 7 | 12.0 | | 74.0 | 20.1 | 88.7 | 0 | 92.7 | 92.7 | 92.7 | 7.26 | 1.76 | 92.7 | 92.7 | 92.7 | 42.7 | 92.7 |
| | 12.0 | | 14.0 | 80.7 | 88.7 | 1.06 | | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 120 | 12.0 | | 76.7 | 84.0 | 92.7 | 24.7 | 7.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 96.7 | 96.7 | 1.96 | 1.96 |
| | 12.0 | | 78.7 | 0.98 | 1.56 | 96.1 | 7.86 | 98.7 | 98.7 | 98.7 | 98.7 | 18.1 | 98.7 | 98.7 | 48.7 | 98.7 |
| 1 10 | 12.0 | | 19.3 | 86.7 | 96.0 | 98.00 | 100.001 | 100.00 | 100.00 | 100.00 | 100.001 | 00.00 | 100.0 | 100.0 | 100.001 | 00.00 |
| | 12.0 | | 19.3 | 86.7 | 0.96 | 0.36 | 100.001 | 100.00 | 0.00 | 0.001 | | | 100.0 | · | 00.00 | 00.00 |
| 8 | 12.0 | | 79.3 | 86.7 | 0.96 | 98.0 | 100001 | 100.00 | 100.00 | 100.00 | 100.001 | 0000 | 100.0 | 100.0 | 10000 | 000 |
| | 12.0 | | 19.3 | 86.7 | 0.96 | 98.0 | 100.001 | 100.00 | 0000 | 0.001 | 100.001 | 00.00 | 0.001 | 100.0 | 10000 | 00.00 |
| % 1 A I | 12.0 | 69.3 | 79.3 | 86.7 | 0.96 | 98.0 | 100.001 | 100.00 | 100.00 | 100.00 | | | 100.0 | 0 | 100.00 | 0000 |
| | 12.0 | | 79.3 | 86.7 | 0.96 | 98.0 | 100.001 | 100.001 | 00.00 | 0.001 | 100.00 | 0000 | 100.0 | 100.0 | 100.00 | 000 |
| 1 1 1 | 12.0 | 6 | 79.3 | 86.7 | | 98.0 | | 100.00 | • | 100.0 | 100.001 | 00.00 | 100.0 | 10000 | 100.00 | 0000 |
| | | | 19.3 | 86.7 | 0.96 | 0.86 | 100.001 | 100.001 | 0000 | 100.0 | 100.00 | .0 | 100.0 | 100.0 | 100.00 | 000 |
| 8 1 A I | | 6 | 79.3 | 86.7 | 0.96 | 98.0 | 100001 | 100.001 | 100.00 | 100.0 | 100.001 | 00.00 | 100.0 | 100.00 | 100.001 | 000 |
| 1 | | O | 19.3 | 86.1 | 0.06 | 98.0 | 10000 | 100.00 | 0000 | 0.001 | 100.00 | 0000 | 100.0 | 100.0 | 10000 | 0000 |
| 111 | 12.0 | | 19.3 | 86.7 | 0.96 | 98.0 | 100.00 | 100.00 | 100.00 | 0.00 | 100.001 | 0.00 | 100.0 | 100.0 | 10000 | 000 |

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1 S T) SOL

1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS)

HOURS (L S T マコラ MONTH 6

101

0.96 85.3 85.3 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 0.0010.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 0.00100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 83.3 84.7 82.0 83.3 83.3 82.0 82.0 0.96 83.3 66.3 82.0 83.3 83.3 83.3 87.3 82.7 83.3 84.7 7.06 7.86 88.7 7.26 Al 0.96 86.3 82.0 82.0 82.0 0.28 83.3 83.3 85.3 87.3 82.7 83.3 83.3 83.3 1.06 83.3 84.7 98.7 83.3 88.7 92.7 2 5/16 83.3 82.0 0.28 82.0 83.3 85.3 0.96 82.0 0.87 83.3 83.3 83.3 83.3 87.3 7.06 1.76 7.86 82.7 84.7 58.7 86.3 86.3 83.3 ٨١ 82.0 0.96 63.3 82.0 83.3 83.3 87.3 82.0 82.0 1.06 82.7 83.3 83.3 83.3 84.7 85.3 1.26 7.86 83.3 88.7 * 82.0 96.0 96.0 96.0 96.0 86.3 66.3 42.0 83.3 83.3 83.3 83.3 87.3 7.86 82.0 82.7 83.3 82.0 83.3 84.7 85.3 85.3 7.06 83.3 88.7 92.7 × 11 82.0 83.3 87.3 82.7 1.06 98.7 82.0 82.0 83.3 82.0 83.3 83.3 83.3 83.3 83.3 83.3 84.7 38.7 92.7 ٨١ VISIBILITY (STATUTE MILES) 82.0 83.3 98.7 66.3 85.3 82.0 82.0 83.3 87.3 88.7 92.7 84.7 7.06 85.0 82.0 66.3 0.28 85.3 92.0 83.3 83.3 83.3 83.3 82.7 83.3 63.3 87.3 7.06 83.3 98.7 92.7 84.7 88.7 ۲۱ ۲ 66.3 82.0 0.96 87.3 83.3 82.0 83.3 7.86 82.0 82.0 82.7 83.3 83.3 83.3 63.3 84.7 85.3 38.7 1.06 83.3 92.7 ۲ ۱۸ 86.0 87.3 0.36 82.0 85.0 05.0 82.0 82.0 0.48 89.3 97.3 80.7 82.0 83.3 6116 1.86 18. 80.7 85.0 94.7 80.7 80. 82.0 0.86 98.0 81.3 82.0 82.0 82.0 85.0 82.0 87.3 6.76 0.86 0.86 0.86 0.86 98.0 82.0 83.3 84.0 86.0 6116 0.86 98.0 0.86 80.7 89.3 1.46 80.7 80. 80.7 96.7 M Al 78.0 80.0 82.0 92.0 78.0 76.7 77.3 0.87 78.0 0.8 0.87 0.81 79.3 63.3 85.3 86.0 89.3 92.7 92.7 91.3 92.7 92.7 92.7 92.1 76.7 16.1 86. 89.3 92. 9 ٨ł 80.0 89.3 74.0 76.0 0.88 88.7 89.3 89.3 13.3 73.3 73.3 74.7 83.3 13.3 14.1 78.7 82.0 89.3 74.7 1001 72.7 74.7 14.7 VI VI 86.0 0.00 82.7 85.3 0.98 85.0 72.7 76.0 77.3 72.0 72.0 72.0 86.0 0.98 86.0 86.0 72.0 72.7 72.7 14.7 78.7 72.7 72.7 12.7 74.0 84.7 86.0 72.7 AI 20.0 20.0 0.02 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 0.07 20.7 20.0 20.0 20.7 20.7 20.7 20.7 20.7 20.7 20.7 20,7 20.7 20.7 7.07 40.7 40.7 2 NO CEILING (FEET) 18000 2000 80 ≥ 20000 14000 000 000 000 2000 4500 3000 2500 38 1500 900 88 88 88 ALAI AI AI AI AI AI AI ALAI ALAI ALAI ALAI AI AI ALAI AI AI AI AI AI AI AIA

TOTAL NUMBER OF OBSERVATIONS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

22 HOURS (1.5.T.) SOLT.

2

(FROM HOURLY OBSERVATIONS)

NO CEILING ≥ 20000 VI VI 00091

(FEET)

12000

VI VI

VI VI 7000 000

2000

ALAI

300

2000

MAIA

1500 1500

ALAI

1200

ALAL

88

ALA

88

ALAI

8 8

ALAI

88

ALAI

80

AI AI

| | | _ | | _ | | | | _ | | _ | | _ | | _ | | _ | _ | _ | | _ | _ | _ | | _ | _ | | _ | _ | _ | | _ | | _ |
|----------------------------|---------|-----|------|------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-------|-----|
| | 0 1 | | 12.7 | 2.7 | 2.7 | 2.7 | 3.3 | 3.3 | 3.3 | 4.0 | 4.0 | 0.4 | 4.0 | 0.49 | 4.7 | 64.7 | 0.99 | 10.0 | 0.9 | 0.1 | 2.7 | 0.9 | 0.0 | 8.0 | 9.3 | 6.6 | 9.3 | 0.0 | 0.0 | 0.0 | 0 | 0 0 | 2 |
| | | 7 5 | 7 | 1 | 7 | 9 / | 0 | 3 6 | 3 6 | 9 0 | 0 | 90 | 9 | | | 7 | | 0 | 0 | 1 | 7 | 0 | 0 | 5 | 3 | 3 | 9 | 010 | 010 | 010 | 0 | | 4 |
| | N N | 8 | 2 | 2. | 3 | 2. | 3 | 3. | 3 | • | * | + | : | : | : | | | | 76. | | 5. | | | 98. | | | 6 | • | • | 0 | • | 000 | |
| | | 5 | 0 | 9 | 0 | 9 | 0 | 9 | 9 | | | 0 | | Ó | | 99 | | _ | | | 00 | _ | - | 6 | 0 | 66 | 0 | 4 | 2 | - | 2 | 90 | 1 |
| | 5/16 | | 2.7 | 2.1 | | | 3.3 | .3 | | | 0. | | • | | - | : | | | 0 | | | | 0 | 0. | .3 | | . 3 | | 0.0 | 0.0 | 0 | 000 | |
| | AI | | 9 | 9 | 9 | | 9 | 9 | 63 | 40 | 40 | | 40 | 9 | 40 | 79 | ŏ | 10 | 2 | | 82 | | 6 | 98 | 6 | | 66 | 20 | 100 | õ | ŏ | 000 | |
| | z | | - | | 1. | | | | .3 | 0 | | | 0 | | | | | | 0 | - | | | 0 | 0 | | | | 0 | 0 | 0 | 0 | 00 | |
| | Al | 58 | 62 | 95 | | 29 | 63 | 63 | 63 | | \$ | | 99 | 99 | 64 | 40 | 9 | 2 | 10 | | 82 | 86 | 96 | 96 | 66 | 66 | 66 | 00 | 8 | 8 | 00 | 200 | |
| | | - | - | - | ~ | - | 3 | 6 | m | 0 | 0. | 0 | 0 | 0 | 1 | - | 0 | C | 0 | - | ~ | 0 | 0 | 0 | .3 | 3 | m | C | 0 | 0 | 0 | 00 | 3 |
| | * | | 62 | 62 | - | 29 | 63 | 63 | 63 | 99 | - | | | 94 | 64 | 79 | 99 | | 16 | 9 | 82 | 86 | 96 | 86 | 66 | 66 | 66 | 00 | 8 | 00 | 0 | 000 | |
| | | | ~ | | ~ | - | 3 | m | 3 | 0 | 0 | _ | 0 | | | - | | 0 | 0 | | ~ | | | 0 | | m | 3 | 0 | - | - | - | 0 0 | 5 |
| | × Al | | | | | | 3 | | | * | | | | | * | 64. | | | | | 5 | . 9 | • | | 6 | | 6 | | 0 | 0 | 0 | 00 | |
| | | 5 | 0 | 9 / | 0 | 0 | 9 | 9 | 0 | 9 | | 9 6 | 9 | | | _ | | _ | 7 | _ | 80 | 8 0 | | 6 0 | | 3 | 0 | - | - | 010 | - | 010 | |
| | - AI | | 2 | 5 | | | 3. | | 60 | • | * | | * | • | | | • | • | 9 | | 2. | • | • | 8.0 | • | 6 | • | • | 0 | | 0 | 0 0 | |
| ES) | Λ1 | | 9 | 5.00 | - | 0 | 0 | 0 | 1 | 9 | ø | 0 | ٥ | o | | 0 | 0 | | ~ | - | | | | | 0 | | ò | 01 | 10 | | | 9 | |
| VISIBILITY (STATUTE MILES) | 177 | | | | | | | .3 | | • | | | | | | | | | 0 | | • | • | 0. | • | | • | | • | | • | • | 00 | • |
| ועדעד | Al | 58 | 9 | 62 | | 62 | 69 | 63 | 63 | 90 | 5 | 94 | 64 | 99 | 40 | | 99 | | 2 | 76 | 82 | | | 86 | 66 | 66 | 66 | 00 | 00 | 00 | _ | 000 | |
| (57, | 7,1 | - | - | | - | - | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | | ~ | 0. | 0 | 0 | - | 1 | 0 | 0 | 0 | | er. | ~ | 0 | 0 | 0 | 0 | 00 | |
| TUL | AI. | | 29 | 29 | | 29 | 63 | 63 | 63 | 49 | 40 | 49 | | 79 | 40 | 49 | | 10 | | 2 | 85 | 86 | | 96 | | 66 | 66 | 00 | 00 | 00 | 0 | 000 | 3 |
| VISIB | | 1 | ~ | - | - | 1 | 3 | 500 | 3 | 0 | | 0 | | 0 | - | - | 0 | | o | - | - | 0 | 0 | 0 | 19 | 15 | 17 | 0 | 0 | 0 | 0 | 36 | 5 |
| | ۸I | 58 | 25. | 629 | 25 | 62. | - | 63 | 63 | | . 99 | 34. | 64. | 64. | 64. | | .99 | 0 | 76. | 76. | | 86. | 90 | 96 | | 66 | 66 | 000 | 00 | 00 | 0 | 000 | 3 |
| | | | 13 | 3 | 3 | 6 | 0 | 0 | 0 | - | ~ | 9 | - | - | 3 | 2 | - | | - | - | 3 | 2 | 0 | 0 | 3 | 3 | 9 | 1 | 0 | - | <u>~</u> | 000 | • |
| | 21/2 | 8 | - | - | - | - | · | 2. | • | 2 | 2 | 2 | 2. | 2. | | | * | | * | | - | | | | | 1. | | 8 | 8 | æ | • | 10 00 | • |
| | ۸í | 1 | 0 | 9 | | 9 | | 0 | 9 | _ | 9 | 9 | | _ | | 0 | 0 | | ~ | _ | | | 0 | 6 | 6 | 5 | 5 | | 0 | | ~ | 20 | |
| | 6 | 0.0 | 0.7 | | 0.1 | : | | | .3 | 0.3 | 2.0 | | 2.0 | 2.0 | 2.7 | 2. | 4.0 | 8.0 | 4.0 | 4: | 0.7 | 4.0 | 3.3 | 5.3 | 5.7 | 6.1 | 6.7 | 1.3 | .3 | | • | | |
| | Al | | õ | ě | | 60 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 9 | 9 | è | | 7 | 7 | ë | 8 | 0 | 6 | 6 | 6 | 6 | 6 | o | 0 | 5 | 0 0 | |
| | | 0. | - | | - | | | | 3 | 0 | 0 | 0. | 0. | 0 | 1. | - | 0 | 0 | | 0 | | 0. | .3 | 1. | 0. | | 0 | 0. | 0 | | 0 | 00 | 3 |
| | Al | 58 | 9 | 00 | | 09 | 5 | 5 | 6 | | 62 | 62 | 62 | | 62 | | 49 | | 74 | | 19 | 82 | | 6 | | 76 | 46 | 76 | 46 | 5 | 5 | 4 4 | |
| | | 0 | 0 | 0 | 0 | 0 | ~ | - | - | - | - | - | ~ | - | m | 3 | ~ | - | | - | 0 | ~ | ~ | 3 | 0 | 20 | 2 | 2 | 3 | m | 2 | 2 | 1 |
| | ۸I | 56 | 58 | 00 | 58 | 300 | 28 | 8 | 98 | 38 | 30 | 28 | 28 | 28 | 30 | 66 | 20 | 49 | 70 | 0 | 9/ | 00 | 96 | 87 | 87 | 87. | 87 | 2 6 | 87 | 37 | - | 200 | |
| | | - | - | - | - | - | 3 | ~ | 6 | 3 | | _ | | _ | | _ | | _ | 6 | | | | | 0 | | | | | | | | 00 | |
| | ٨١ | | | | | | | | | | | | | | | | | | | | | | | | | . 9 | • | . 9 | | 9 | | 900 | |
| | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | - 1 | | - 1 |
| | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Al | | | | _ | | - | | - | | - | | _ | | - | | - | | | | _ | | _ | | | | | | | | | | 1 |

TOTAL NUMBER OF OBSERVATIONS

150

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO.

Ë

ALL ALL

| CEILING | | | | | | | VIS | VISIBILITY (STATUTE MILES | ATUTE MILL | (53) | | | | | | |
|------------|------|---------|------|-------|------|------|------|---------------------------|------------|------|---------|------|-------|--------|-------|-------|
| (PEET) | 0 7 | ۵ ۸۱ | 5 2 | 4 | E AI | 2 2% | 7 7 | ¥1 Y | ¥1 Y | - AI | ₹ Al | * | S. Al | ≥ 5/16 | AI | O AI |
| NO CEILING | 4.1 | 45.8 | | 51.2 | 53.8 | 54.1 | | 55.5 | | 55.5 | | 92.6 | 55.1 | | 5 | 55.7 |
| ≥ 20000 | 9.7 | | 0 | 2. | 5 | | - | | 58.1 | | | | 58.3 | 00 | 58.3 | 58.3 |
| | 4.4 | 47.3 | 0 | • | 2 | 57.0 | • | 56.3 | | | | | | | | |
| 16000 | 4.7 | | 0 | 53.2 | ; | 57.1 | | | | | | | | * | 8 | 58.6 |
| | | | 0 | 53.2 | .0 | 57.1 | COL | | | 80 | 80 | | | 00 | | 58.6 |
| 12000 | 9.7 | | 51.0 | 53.7 | 50.9 | 57.6 | 59.8 | | | 80 | • | | 59.1 | 59.1 | 59.1 | 59.1 |
| | | | - | 4 | 9 | | 1.65 | | | 6 | 6 | | | 6 | | 59.4 |
| 000 | 1.6 | 48.0 | : | 24.0 | 56.8 | 57.9 | 59.1 | 59.3 | 59.3 | | 59.3 | 56.3 | 29.4 | 6 | \$65 | 59.4 |
| 1 | | | - | . 7 | - | | 6 | | | 6 | | | | 0 | 29.7 | 59.7 |
| 141 | | | - | 54.3 | 57.2 | 8 | 6 | | | 6 | | | | 6 | 6 | 89.8 |
| 1 | 4.7 | | - | . 7 | - | 20 | | | | 6 | 6 | | | 6 | 6 | 59.8 |
| 2000 | 6.6 | | 2. | | 37.6 | 00 | 6 | | | 0 | d | | | 0 | 0 | 60.2 |
| | | | 7 | , | - | 0 | 6 | | | 0 | 0 | | | 0 | 0 | 6003 |
| 141 | 10.0 | | 52.7 | 55.4 | 58.3 | 59.3 | 5.09 | | | 0 | 8.09 | 8.09 | 80.8 | 0 | 8.09 | 60.8 |
| | | | - | 9 | | 0 | - | | | : | - | | | - | - | 4.19 |
| 3000 | | | ; | | 0 | | 2. | | | 2. | 2. | | 95.09 | 2. | 3 | |
| 1 | | | 9 | 23.1 | | | ; | | | 3 | | | 65.2 | 2 | 3 | |
| 2000 | | | : | 64.3 | - | 40 | 0 | | 70.2 | 0 | 0 | | 70.3 | 0 | ò | 70.3 |
| | | | 7 | 65.1 | | 5 | 0 | | | - | - | | 71.3 | - | - | |
| 98 | | | 1. | 71.3 | 3 | - | 6 | | | 6 | • | | 19.3 | 6 | | |
| | | 65.3 | 0 | 73.8 | 0 | - | 3 | | | 3 | 3 | | 83.6 | 3 | · | 83.6 |
| 8 | | | 74.1 | 78.8 | 3 | 87.7 | 90.1 | | 1.06 | 0 | 0 | | 90.6 | 0 | 0 | 90.8 |
| | | 2.69 | ; | 10.61 | | 00 | - | | | - | 5 | | 1.76 | 2 | 92.1 | 92.1 |
| 8 | | | 2. | 80.5 | 88.1 | 0 | 3 | | | 4. | 1.46 | | 34.5 | * | ; | 94.2 |
| | | 66.5 | 3 | 80.0 | 38.7 | | 1 | | | 5 | 3 | | 42.4 | 2 | 5 | 95.4 |
| 8 | 11.0 | 66.8 | 3 | 81.0 | | - | | | 95.7 | 5 | • | 1.96 | 2.96 | | 2.96 | 96.2 |
| | | 69.7 | • | 81.4 | | | | | 8.96 | | | | 8.16 | : | : | 97.8 |
| 84 | 11.0 | | 75.8 | 81.6 | | 2 | 95.7 | 97.3 | 4.16 | | | | 98.8 | 8 | | 98.9 |
| | | 8.69 | • | 81.6 | | 7 | | | 4.16 | 00 | | | 6.86 | 6 | | 99.5 |
| 30 | 11.0 | | • | 81.6 | 0.06 | | | | 97.5 | * | • | | 3.66 | 66.3 | | 99.8 |
| | | | 75.8 | 81.6 | | 2. | 95.8 | | 97.5 | . 8 | 98.8 | 8.86 | 3.66 | 6 | 9666 | 66.66 |
| 0 | 11.0 | 8.69 | 75.8 | 81.6 | 0 | 2. | 8.56 | 97.3 | 97.5 | | 98.8 | • | 99.5 | 6 | 99.71 | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

1200

93114

0

CEILING VERSUS VISIBILITY

JUL .

01 NOURS (1.5.7.)

| 73-77 | YEARS | PERCENTAGE FREQUENCY OF OCCURRENCE | FROM HOURLY OBSERVATIONS) |
|-----------------------|--------------|------------------------------------|---------------------------|
| SANTA ANAS CALIFORNIA | STATION NAME | PERCENTAGE FREQU | (FROM HOURL' |
| ANA | | | |
| SANTA | | | |

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
|------------|-----|----------|-------|------|-------|-------|-------|----------------------------|-----------|-------|---------|-------|---------|--------|------|-------|
| | 2 | 9 | SS AI | AI | N AI | > 2% | 7 | 71 % | 71 71 | _ | % Al | * | Z Al | > 5/16 | N) | ٨١ |
| NO CEILING | | 41.9 | 45.8 | 46.5 | 46.5 | 47.1 | 47.7 | 48.4 | 4.84 | 4.84 | 48.4 | 48.4 | 48.4 | 48.4 | 49.4 | 48.4 |
| N 20000 | | 41.9 | 45.8 | 46.5 | 46.5 | 47.1 | 47.7 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| × 18000 | | | 45.8 | 46.5 | 46.5 | 47.1 | 47.7 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| 16000 | .7 | 41.9 | 45.8 | 46.5 | 46.5 | 47.1 | 47.7 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| 14000 | .7 | 41.9 | 45.6 | 46.5 | 46.5 | 47.1 | 47.7 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 49.4 | 48.4 | 48.4 | 48.4 |
| > 12000 | .7 | 42.0 | 46.5 | 47.1 | 47.1 | 47.7 | 48.4 | 0.64 | 0.64 | 49.0 | 0.64 | 0.65 | 0.64 | 0.65 | 49.0 | 49.0 |
| | . 7 | | 47.1 | 47.7 | 47.7 | 48.4 | 0.65 | 49.7 | 49.7 | 49.7 | 49.1 | 49.7 | 49.7 | 49.7 | 48.7 | 49.7 |
| 000 AI | .7 | 43.2 | 47.1 | 47.7 | 47.7 | 48.4 | 0.65 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | | 49.7 | 49.7 | 49.7 |
| | .7 | | 47.7 | 48.4 | 48.4 | 0.64 | 49.7 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | • | 50.3 | 50.3 |
| 1 7000 | .7 | 44.5 | 48.4 | 0.64 | 0.64 | 1.64 | 50.3 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| | | 44.5 | 48.4 | 0.64 | | 1.64 | 0 | 51.0 | 51.0 | 51.0 | : | 51.0 | 51.0 | 51.0 | 21.0 | 51.0 |
| 2000 | | 44.5 | 48.4 | 0.64 | • | 49.7 | 50.3 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 1 | .7 | 44.5 | 48.4 | 0.64 | | 1.65 | 0 | 51.0 | 51.0 | 51.0 | - | - | 21.0 | | 51.0 | 51.0 |
| 1 41 | .7 | 44.5 | 48.4 | 0.64 | • | 40.7 | 50.3 | 51.0 | 51.0 | 51.0 | - | 21.0 | -: | 51.0 | 51.0 | 51.0 |
| 1 | | 44.5 | 48.4 | 0.64 | 49.0 | 1.65 | 50.3 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 3000 | .7 | 45.2 | 0.64 | 49.7 | 49.7 | 50.3 | 51.0 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 1 | | 45.8 | 49.7 | 50.3 | .0 | | 51.6 | 52.3 | 2. | 52.3 | 2. | 52.3 | 2 | 2. | 52.3 | 52.3 |
| 7 2000 | 1.3 | 48.4 | 52.3 | 55.9 | \$2.9 | 53.6 | 54.5 | 54.8 | 54.8 | 54.8 | 24.8 | 24.8 | 54.8 | 54.8 | 54.8 | 34.8 |
| 1 | 1.3 | 48.4 | 52.3 | 52.9 | 52.9 | | 54.5 | 54.8 | 54.8 | 54.8 | 54.0 | 24.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 150 | 1.3 | 86.8 | 61.9 | 62.6 | 63.2 | 63.9 | 64.5 | 55.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| | 1.3 | 62.6 | 1.69 | 11.0 | 2. | 2. | 73.6 | 74.2 | | 74.2 | 74.5 | 74.2 | | | 74.2 | 74.2 |
| 1000 | 1.9 | | 18.4 | 81.3 | | 83.9 | 86.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| | 1.9 | 72. | 81.9 | 83.9 | 5 | 86.5 | 89.0 | 89.7 | 89.7 | 89.7 | 69.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 8 Al | 1.9 | 75. | 85.2 | 88.4 | 6.06 | 91.0 | 93.6 | 34.5 | 34.5 | 34.5 | 34.5 | 84.5 | 2.46 | 34.5 | 2.46 | 94.2 |
| | 1.9 | 76.8 | 87.1 | 91.6 | 93.6 | * | 8.96 | 4.76 | 37.4 | 4.46 | 4.16 | 4.16 | 4.16 | 44.4 | 4.16 | 97.4 |
| 00 AI | 1.9 | 76.8 | 87.1 | 91.6 | 4 | 8. 96 | 91.4 | 98.1 | 98.1 | 98.1 | 1.96 | 98.1 | 98.1 | 98.1 | 1.86 | 98.1 |
| | 1.9 | 76.8 | 37.1 | | 34.5 | * | 4.16 | 98.1 | 98.1 | 98.1 | | 1.86 | 1.86 | | 98.1 | 98.1 |
| VI 64 | 1.9 | 77.4 | 87.7 | 92.3 | 96.1 | 8.96 | | 100.001 | 100.00 | 100.0 | 100.001 | | | 0 | | 0000 |
| 88 | 1.9 | 77.4 | 200 | | | 36.8 | | 100.0 | | 0.0 | • | • | • | 0 | 0.00 | 000 |
| | | * | | 45.3 | 1.06 | 0.01 | 30.66 | 100.001 | 0 | | 100.001 | 000 | 000 | 0000 | 0000 | 0000 |
| 8 | 1.9 | | 87. | | 1.96 | 70.0 | | 100.001 | • | 10000 | • | 0000 | | | | 00.00 |
| ٨١ | 1.9 | 17.4 | 9 | 92.3 | 1006 | 900 | 4.66 | 100.00 | 100.0 | 00001 | 100.001 | 0.001 | 0.001 | 00001 | 000 | 00.0 |

0 -

0

0

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANAS CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL 040

| CEILING | | | | | | | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | (5) | | | | | | |
|------------|-------|---------|------|------|------|------|-------|-------------|----------------------------|-------|---------|------|------|--------|------|------|
| (FEET) | 2 | 9 Al | 14 | 4 | 2 2 | 2 2% | 1 A 3 | 2 1 Y | ¥1 VI | - AI | ₹ Al | # AI | N N | ≥ 5/16 | N AI | ٨١ |
| 40 CEILING | 1.3 | 25.2 | | - | - | - | 2. | 2 | 2 | 2. | 2 | 2. | 2 | 2. | 32.3 | ~ |
| ≥ 20000 | 1.3 | 25.2 | | : | 31.6 | 31.6 | | 32.3 | | 2 | 2 | 2. | 2. | 32.3 | 32.3 | 32.3 |
| | 1.3 | 25.2 | | 7 | - | - | | 2. | | 2. | 2 | 2. | | 2. | 2. | 32. |
| 2 16000 | 1.3 | 25.2 | | 31.6 | • | 2 | 5. | | | • | 5 | 5. | 5 | 5 | 5 | 32.9 |
| | 1.3 | 23.2 | | -1 | 32.3 | 2. | | | | 2. | 7 | 2. | | | 32.9 | N |
| 7 12000 | 1.3 | 25.2 | 31.6 | 32.3 | 32.9 | 32.9 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | | 33.6 | 33.6 | ~ |
| 1 | 1.3 | 25.2 | | | | 5. | 3 | 3. | | 3 | 3 | 3. | 5 | | | m |
| 000 | 3 | 25.8 | | 2. | 3 | 3 | ; | • | * | * | ; | ; | 4 | * | | 34.2 |
| | 1.3 | 25.8 | | 2. | 3. | 3 | * | | | 4 | * | : | | | 34.2 | |
| 2000 | 1.3 | 59.2 | | | ; | * | ; | | ; | 4 | | ; | * | ; | | 34.6 |
| 1 | 1.3 | 50.5 | | 3 | 4. | | | | | 4 | | | | | | * |
| 2000 | 1.3 | 26.5 | | | | * | | | * | * | • | ; | | 4 | | 34. |
| | 1.3 | 59.5 | | 3 | * | 4 | * | | 3 | 4 | | . 4 | | * | | 34. |
| 1 1 | 1.3 | 27.1 | | 34.2 | 34.8 | 34.8 | 5 | 35.5 | 5. | 5 | | | | 2 | | 35. |
| | 1.3 | 27.1 | | * | | * | 3 | 3 | 5 | 5 | | 3 | | 5 | | 35. |
| 300 | | 27.7 | | 5 | • | 9 | | 9 | 6. | .0 | | .9 | | | | 36. |
| | 1.3 | 27.7 | | | 9 | 0 | | | | | | - | | | | 37.4 |
| 7000 | | 30.3 | • | 00 | | 0 | 5 | 0 | 0 | 0 | | | | 0 | | 40. |
| | 1.3 | 31.6 | | | | 0 | | : | : | - | | : | | - | | *! |
| 200 | 1.3 | 41.9 | | - | 2 | 2 | 2 | 2. | 2 | 2. | • | 5 | | | | 52. |
| | 1.3 | 47.1 | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 90 |
| 8 | 1.9 | 56.1 | 70.3 | 72.3 | 4 | 76.1 | | 78.1 | | 78.7 | 78.7 | 78.7 | | 78.7 | | 18. |
| | 6.1 | 56.8 | | | 16.8 | 0 | 80.7 | 0 | - | | | - | | 81.3 | 81.3 | 81. |
| 8 | 5.7 | 29.4 | | | | 5 | 87.1 | 87.1 | - | | | 87.7 | | | 87.7 | 87. |
| | 1.9 | 0.09 | | | | 9 | 6 | 6 | 6 | | 1.68 | | | 89.7 | 89.7 | 90. |
| 8 | 1.9 | 61.3 | | 83.9 | 88.4 | - | 34.5 | 34.2 | | 8. 56 | • | 84.8 | | 94.8 | 84.8 | 95. |
| | 1.9 | 61.3 | | 83.9 | | 2 | 5 | 9 | 0 | | 96.8 | 9 | | 96.8 | | 97. |
| 8 | 1.9 | 61.3 | | 63.9 | 0 | 10 | | 7. | 98.1 | 98.1 | 98.1 | | | 98.1 | 98.1 | 98. |
| 38 | | 61.3 | 30.0 | 83.9 | 6.06 | 93.6 | 8.96 | 7.16 | 98.1 | 1.86 | 1.86 | 186 | 48.7 | 98.7 | 98.7 | 66 |
| 700 | 1.9 | 61.3 | | 83.9 | 80.3 | 3 | 9 | 97.4 | | | 1.86 | | • | 98.7 | 98.7 | 66 |
| 80 | 1.9 | 61.3 | 0.0 | 83.9 | 90.3 | 93.6 | 8.96 | 97.4 | 98.1 | 98.7 | 7.86 | 98.7 | 98.7 | 98.7 | 98.7 | 66 |
| 1 | 1 . 7 | 6.16 | 2000 | 2000 | 200 | | • | | 100 | - | • | | - | | | 3 |

TOTAL NUMBER OF OBSERVATIONS

155

=

32.3

32.3 32.3

32.3 32.3 32.3 32.3 32.3 32.3 32.3

32.3 32.3 32.3

32.3

31.6 31.6

32.3 32.3

32.3

31.6

31.6

31.6

31.6

31.6

31.0 30.3

29.0

38.1

38.1

34.8

34.8 38.1

34.8

38.1

37.4

36.8

36.8

36.8

36.1

36.1

30.3

66.5

60.5

66.5

81.9 85.2

81.9

81.9

81.9

81.3

81.3

80.0

52.9

52.9 66.5

52.9

52.9

52.3

52.3

51.6

51.6

51.6

51.0

50.3

43.2 51.6

65.2 80.7

65.2

65.2 78.7

63.9

60.1

74.8

71.0

0.09 0.09

40.0

0.04

40.0

40.0

39.4

39.4

38.7

38.7

38.7

38.1

38.1

89.0

0.68

89.0 92.3

89.0

85.2

85.2

84.5 88.4 91.6

82.6

91.9

60.7

16.8

86.5

85.8

84.5

74.2

61.9

92.3

92.3

8.46

94.8

8.46

94.8

2.46 95.5 96.1

2.46

92.3 65.6

91.6

88.4

83.2

92.3

91.6

89.7

0.68

82.6 86.5

32.9

32.3

32.3

32.9

32.9

32.3 34.4

32.3

31.6

31.6

31.6

33.6

32.9

32.9

32.3

32.3 32.3 32.9 34.8 38.1

32.3

32.3 32.3

31.6

31.6

31.0

31.0

31.0

31.0

31.0

31.6

31.0

31.0

31.0

32.3

31.6 32.3

32.3 32.3

32.3

32.3

31.6

31.6 31.6

31.0

31.0

32.3

32.3

31.0 32.3

31.0

31.0

288

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

07

T S T) SUDON 100

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AI VISIBILITY (STATUTE MILES) AI

2 2%

A

1

AI

2 AI

(FEET)

NO CEILING

2 20000

٨١

2 M

٨I

AI

31.0 31.6 31.6 29.7 30.3 30.3 31.0 28.4 27.7 27.7 30.3 31.0 Al

31.6 31.0 31.0 31.0 30.3 29.7

29.0

21.3

5.5

6 . 1 1.9

V 1 400

5.5

18000

11 11

4.8

15.5

6.1 6.1

900 900 900

11 11

0

22.6

23.8 23.2 22.6 24.5

54.5

1.9

1.9

200

AI AI

9000

AI AI

23.9

31.0 31.0 31.0 31.0 31.0

31.0 31.0 31.0 31.0 31.0 30.3 30.3 30.3 30.3 30.3 30.3 30.3

30.3 31.0 30.3 31.0 30.3 30.3 30.3 24.5 24.5 24.3 22.6 24.3 22.6

25.2 22.6 24.5 27.1 22.6 24.5 22.6 24.5 55.6 22.6 23.2 6.1

1001 16.1 16.1 1001 1.6.1 6.1 6.

4500 4500

AI AI

29.0 32.3 16.8 21.9 21.3 18.1 6 1.9 1.9 1.9

3000

ALAI

2000

MIM

31.0 36.1 . 3.5 3.2 3.5

8 6

AI AI

50.3 50.3 38.1 43.9 39.4

1200

ALAI

51.6 0.04 0.00 39.4

88

ALAI

0.04 0.04 40.0 3.5

88

ALAL

52.3 0.04 0.04

88

76.1 76.8 62.6 9.29 62.6 9.29 52.3

80

88

ALA

TOTAL NUMBER OF OBSERVATIONS

155

90.06

96.8

93.6

34.5

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | (S) | | | | | | |
|------------|-----|------|-------|------|------|------|-------|-------------|----------------------------|--------|---------|--------|---------|---------|-------|-------|
| (FEET) | 2 | 9 11 | \$ 1 | 1 | 21 | 2 2% | 2 2 | V1 72 | ¥1 ¥ | - | % Al | * | VI Z | ≥ 5/16 | N NI | 0 1 |
| NO CEILING | 5.5 | 38.1 | 6.97 | | · | 64.5 | 0.69 | 70.3 | 11.0 | 71.0 | 0.1 | 0.17 | 0.1 | • | 11.0 | 11.0 |
| 1 20000 | • | \$ | 44.0 | 28.1 | | 1.70 | 11.6 | 12.9 | 13.6 | 13.6 | 13.0 | 13.0 | 13.6 | 13.6 | 13.0 | 13.6 |
| V 18000 | | 40 | 49.0 | 58.1 | | 67.1 | 71.6 | 72.9 | 73.6 | • | 73.6 | 13.6 | 73.6 | • | 73.6 | 73.6 |
| ≥ 16000 | | 4 | 0.65 | 58.1 | 66.5 | 67.1 | 71.6 | 72.9 | 73.6 | 73.6 | 13.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| | | 41 | 50.3 | 29.4 | 68.4 | 0.69 | 13.6 | 74.8 | 75.5 | 75.5 | 75.5 | 15.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 12000 | • | 42 | 51.6 | 61.3 | 70.3 | 71.0 | 75.5 | 76.8 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| | | 43 | • | 9.29 | 72.3 | 12.9 | 77.4 | 7.87 | 19.4 | 19.4 | 4.64 | 4.61 | 19.4 | 19.4 | 79.4 | 79.4 |
| 0006 | | 63 | 52.9 | 62.6 | 72.3 | 72.9 | 77.4 | 78.7 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 79.4 |
| | | 43 | 55.9 | 62.6 | | 12.9 | 77.4 | 78.7 | 4.61 | 19.4 | 4.66 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 |
| 7000 | 6.5 | 43 | 53.6 | 63.2 | 72.9 | 73.6 | 78.1 | 19.4 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | • | 80.0 |
| 1 | | 43 | 53.6 | 2.69 | | 13.6 | | 19.66 | 0 | | 80.0 | 80.0 | 0 | 80.0 | | 80.0 |
| 2000 | 6.9 | 43 | 53.6 | 63.2 | 72.9 | 73.6 | 78.1 | 79.4 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| | 6.5 | 43 | 53.6 | 63.2 | | 13.6 | 18.1 | 19.4 | 80.0 | | 80.0 | 80.0 | 80.0 | 0.08 | 0 | 80.0 |
| 000 | 6.5 | 43 | \$3.6 | 63.2 | 72.9 | 73.6 | 78.1 | 79.4 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | | 80.0 |
| | 6.5 | 43 | 53.6 | 63.2 | | 13.6 | | | 0 | | 80.0 | 80.0 | 80.0 | 0 | 0 | 80.0 |
| 3000 | 6.5 | 4 | 54.5 | 63.9 | 73.6 | 74.2 | 78.7 | 80.0 | 80.7 | 80.7 | 0 | 80.7 | 0 | 80.7 | 80.7 | 80.7 |
| | 6.5 | 45 | 55.5 | 65.2 | 14.8 | 15.5 | | 81.3 | 81.9 | 81.9 | 81.9 | | 81.9 | | | 81.9 |
| 7000 | 6.5 | 47 | 57.4 | 67.1 | | | 81.9 | | | 83.9 | 83.9 | 83.9 | | | 83.9 | 83.9 |
| 1 | 6.5 | 63 | 0.09 | 1.69 | 19.4 | | | 85.8 | .0 | 86.5 | 86.5 | | | 86.5 | 86.5 | 86.5 |
| 1800 | 7.1 | 50 | 65.2 | 76.8 | 88.4 | 89.7 | 8.76 | 1.96 | 8.96 | 8.96 | 96.8 | 8.96 | ; | 8.96 | 8.96 | 96.8 |
| | 7.1 | 54 | 65.2 | 17.4 | 89.7 | 91.0 | 1.96 | 4.16 | 98.1 | 98.1 | 1.86 | 1.86 | 98.1 | 98.1 | 1.86 | 98.1 |
| 98 | 7.1 | 55 | 65.8 | 18.1 | 91.0 | 92.3 | 4.16 | 1.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 |
| | 7.1 | 55 | 65.6 | 78.7 | 0.16 | 92.3 | 5.46 | 48.7 | 4.66 | 4.56 | 4.66 | 4.66 | 4.66 | 4.66 | 4066 | 4.66 |
| 8 | 7.1 | 55 | 65.8 | 4.61 | 91.6 | 92.9 | 98.1 | 49.41 | 100.001 | 100.00 | 00.00 | 100.00 | 10000 | 100.001 | 0000 | 0000 |
| | 7.1 | 55 | 65.8 | 79.4 | : | • | 98.1 | 7.66 | 00.00 | 0000 | 0 | 0000 | 100 | 100.001 | 00.00 | 0000 |
| 8 | 7.1 | 5.5 | 65.8 | 19.4 | 91.6 | 92.9 | 98.1 | 99.41 | 100.001 | 10.00 | 00.00 | 100.00 | 100.0 | 100.00 | 0000 | 0000 |
| | 7.1 | 25 | 65.8 | 19.4 | 91.6 | • | 98.1 | 17.66 | 100.00 | 0000 | 00.00 | 0.00 | 0.001 | 100.00 | 00.00 | 0000 |
| 400 | 7.1 | 55. | 65.8 | 79.4 | 91.6 | 92.9 | 98.1 | 99.41 | 100.00 | 100.00 | 100.001 | 100.00 | 0 | 100.001 | 0000 | 00001 |
| 8 41 | 1.1 | | 65.8 | 4.61 | 91.6 | 6.26 | 98.1 | 4.66 | 0.00 | 00.00 | 0 | 0000 | 0.001 | 100.001 | 0.00 | 0.001 |
| 1 38 | 1. | | 02.0 | 19.4 | 91.0 | 12.7 | 98.1 | 99.40 | 00.00 | 00.00 | 00.00 | 00.00 | 0.001 | 100.001 | 00.00 | 000 |
| 80 | 7.1 | 5.50 | 200 | 4 4 | 91.0 | 626 | 98.1 | 1.66 | 00.00 | 00.00 | 00.00 | 00.00 | 000 | 100.001 | 000 | 000 |
| 1 | • | • | | | | , | * . 0 | | | • | 5 | 2 | , | | | |

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

13 700

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) SANTA ANA, CALIFORNIA

| CEILING | | | | | | | VISIA | VISIBILITY (STATUTE MILES) | ATUTE MILI | (5) | | | | | | |
|------------|------|---------|-----------|----------|-------|--------|-------|----------------------------|------------|---------|---------|--------|---------|---------|--------|------|
| (FEE) | 2 | ٥ ٨١ | \$5 Al | 4 | 17 | 2 2% | 7 | ¥1 | VI Z | - AI | % AI | * | Z AI | ≥ 5/16 | × AI | 0 11 |
| NO CEILING | 4.1 | 67.1 | 74.2 | 78.1 | 83.2 | 86.5 | 86.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 20000 | 9.7 | 4.89 | | 19.4 | 84.5 | 87.7 | • | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 0.68 |
| | 9.7 | 0.69 | | 80.0 | 85.2 | 88.4 | 88.4 | 89.7 | 89.7 | 89.7 | 89.7 | | | 89.7 | 89.7 | 89.7 |
| 2 16000 | 9.7 | 0.69 | 76.1 | 80.0 | 85.2 | 88.4 | 88.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 1.68 | 89.7 |
| | 4.4 | 71.0 | | 81.9 | 87.1 | 6.06 | 6.06 | 91.6 | 91.6 | 91.6 | 91.6 | 910 | - | 91.6 | 91.6 | 91.6 |
| > 12000 | 9.7 | 71.6 | | 82.6 | 87.7 | 91.0 | 0.16 | 92.3 | 92.3 | 92.3 | 2 | 65.3 | 6.26 | 92.3 | 65.3 | 92.3 |
| | 4.7 | 72.3 | 19.4 | 83.9 | 89.0 | 92.3 | 92.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 0006 | 9.7 | 72.3 | 19.4 | 83.9 | 89.0 | 92.3 | 92.3 | 93.6 | 93.6 | 93.6 | 3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 1 | 9.7 | 73.6 | 81.3 | 85.8 | 0.16 | 34.2 | 2.46 | 65.5 | 95.5 | 68.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 141 | 4.4 | 73.6 | 81.3 | 85.0 | 91.0 | 84.2 | | 95.5 | 95.5 | 98.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 1 | 9.7 | 73.6 | | 85.8 | 0.16 | | * | 65.5 | 95.5 | 68.5 | 95.5 | 3 | 2 | | 95.5 | 95.5 |
| 0005 | 9.7 | 13.6 | | 8 3 . 23 | 0.16 | 2.56 | * | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | | 95.5 | 95.5 | 98.5 |
| 1 | 4.7 | 13.6 | 81.3 | 85.8 | 0.16 | * | 2.46 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 000 | 1.6 | 73.6 | | 85.0 | 0.16 | 8.46 | | 1.96 | ; | 1.96 | 96.1 | 96.1 | | 1.96 | 1.96 | 1.96 |
| 1 | 9.7 | 73.6 | | 83.8 | 0.16 | 9.76 | 8.76 | 1.96 | 1.96 | 96.1 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| 3000 | 9.7 | 13.6 | 81.3 | 83.0 | 91.0 | 8 . 46 | 94.8 | 1006 | 96.1 | 1.96 | 1.96 | 96.1 | | 1.96 | 1006 | 1096 |
| 1 | 10.3 | 74.2 | | 86.5 | 91.6 | 95.5 | 95.5 | 8.96 | 9 | 8.96 | 8.96 | 8.96 | | 96.8 | 8.96 | 8.96 |
| 7 2000 | 10.3 | 74.8 | 83.2 | 4.88 | 93.6 | 4.16 | 4.16 | 98.7 | 98.7 | 1.86 | 1.86 | 98.7 | 18.1 | 98.7 | 1.86 | 98.7 |
| 1 | 10.3 | 74.8 | | 4.88 | 93.6 | 4.46 | 4.16 | 48.7 | 7.86 | 98.7 | 1.86 | 98.7 | 18.7 | 7.86 | 1.86 | 48.7 |
| 1500 | 10.3 | 75.5 | 83.9 | 89.0 | 34.5 | 98.1 | 8 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 |
| | 10.3 | 75.5 | 84.5 | | 8.46 | | 98.71 | 100.00 | 100.00 | 0000 | 0.00 | | 00 | 00.00 | 100.00 | 0000 |
| VI 000 | 10.3 | 75.5 | | 1.68 | 8.40 | 98.1 | 98.71 | 100.00 | 100.00 | 100.001 | 100.00 | 100.00 | 100.001 | 100.001 | 10000 | 0.00 |
| | 10.3 | 15.5 | 64.5 | 80.7 | 8.46 | 1.86 | 98.71 | 100.00 | 00.00 | | 00.00 | 00.00 | | 00.00 | 10.00 | 0.00 |
| 8 | 0 | 15.5 | | 89.7 | 8.46 | 7.86 | 98.71 | 100.00 | 0.001 | 10000 | 100.001 | 100.00 | | 100.00 | 00.00 | 0.00 |
| | 10.3 | 73.5 | 84.5 | | * | 98. | 98.71 | 100.00 | 00.00 | 0000 | 0.001 | | | 00.00 | 100.00 | 0.00 |
| 8 | 0 | 75.5 | | 89.7 | 8.46 | 80 | 98.71 | 100.001 | 100.001 | 100001 | 100.00 | | 100.00 | 100.001 | 10000 | 0.00 |
| | 0 | 75.5 | | 89.7 | 8.76 | 1.86 | 98.71 | 10.00 | 00.00 | 0000 | 00.00 | 100.00 | 00.00 | 00.00 | 00.00 | 0.00 |
| 84 | 0 | | | 89.7 | 8. 46 | 98.7 | 98.71 | 100.00 | 100.00 | 100001 | | 00.00 | 00.00 | 00.00 | | 0.00 |
| 88 | • | 75.5 | - | 00 | 8. 56 | 98. | 98.71 | 10.001 | 0.001 | | 0.00 | 00.00 | 0.00 | 0000 | • | 0000 |
| | 5 | | 0.00 | | 000 | 0.0 | 1001 | 000 | 0000 | | 000 | 000 | 3 | 0.00 | 10000 | 000 |
| 80 | 0 0 | 25.0 | 0 to 40 | 800 | 0 00 | 000 | 98.71 | 000 | 000 | 000 | 000 | 00.00 | 000 | 000 | 000 | 000 |
| 1 | 5 | • | . 1 | | | | | | , | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

155

888

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

125

16

| EF | VI 11 11 11 11 11 11 11 11 11 11 11 11 11 | VI E CO 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 00000000000000000000000000000000000000 | 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | 1 ~ 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | < | 1 2 0 0 0 1 1 2 1 2 1 2 1 2 1 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | Hodge Hodge | | W 999 999 999 999 999 999 999 999 999 9 | jed est jed e |
|--------------|---|--|--|---|---|---|--|---------------------------------------|---|---|---------------------------------------|---------------------------------------|-------------|----------|---|---------------|
| 8 88 88 88 8 | 000000000 | | 93.00 | | 9 9 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 9 | 000000000000000000000000000000000000000 | | 000000000000000000000000000000000000000 | | | | | 00000000 | | 00000000 |

155

TOTAL NUMBER OF OBSERVATIONS

-

93114

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 7

=

| CEITING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MILI | (53 | | | | | | |
|------------|------|------|-------|-------|------|-------|-------|----------------------------|------------|--------|---------|-------|---------|---------|----------|-------|
| (FEET) | 2 | 9 11 | \$ 21 | 7 1 | e Al | 2 2% | 7 1 | VI 74 | VI % | Ã | % Al | * | % Al | ≥ 5/16 | 2ª Al | ٨١ |
| NO CEILING | 11.6 | | 80.7 | 81.9 | 82.6 | 62.6 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84. |
| ≥ 20000 | - | | 32.6 | 83.9 | 84.5 | 84.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| | : | | 82.6 | 83.9 | 84.5 | 94.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 14000 | 11.6 | | 82.6 | 83.9 | 34.5 | 84.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| | - | | 83.9 | 85.2 | 85.8 | 88.8 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 67.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 2 12000 | | | 85.8 | 87.1 | 87.7 | 87.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 1.68 |
| 1 - | - | | 87.7 | 0.68 | 69.7 | 1.68 | 9116 | 91.5 | 91.6 | 91.6 | 91.6 | 9116 | 91.6 | 91.6 | 91.6 | 91.6 |
| 0006 | | | 1.18 | 0.68 | 1.68 | 89.7 | 916 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| | - | | 89.7 | 0.16 | 91.6 | 91.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 141 | | | 1.68 | 91.0 | 916 | 91.6 | | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 1 | 1 | | 19.7 | 91.0 | 91.6 | 91.6 | | 93.6 | 93.6 | - | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 200 | | | 7.68 | 91.0 | 91.6 | 91.6 | 93.6 | 93.6 | • | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| | - | | 1.68 | 91.0 | | | | 3. | | 3. | | 93.6 | 93.6 | 93.6 | | 93.6 |
| 1 41 | | 83.2 | 90.3 | 91.6 | 92.3 | 92.3 | | * | 94.2 | -250 | -5 | 2.46 | 34.2 | 94.2 | 94.2 | 94.2 |
| | - | | 6.06 | 91.6 | 65.3 | 92.3 | | | 94.2 | 2.46 | 2.96 | | 2.46 | 34.2 | | 94.2 |
| 3000 | | | | 91.6 | 65.3 | 6.76 | 94.2 | 2.46 | 2.46 | 34.5 | 34.2 | 2.46 | 34.5 | 34.5 | 2.46 | 94.2 |
| 1 | - | | | 65.6 | 93.6 | | | 65.5 | 3 | 95.5 | 3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 7000 | 11.6 | | 92.3 | 93.6 | 2.46 | 34.2 | | 1.96 | 96.1 | 96.1 | • | 1.96 | 96.1 | 96.1 | 1.96 | 96.1 |
| | - | | 6.26 | 2.96 | 8.46 | 8.56 | 96.8 | 8.96 | 8.96 | 8.96 | 8.96 | 8.96 | 96.8 | 96.8 | 8.96 | 96.8 |
| 1 1 200 | 11.6 | | 69.3 | 96.8 | 4.16 | 4.16 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| | - | | 1.96 | 97.4 | 1.86 | 98.11 | 00.00 | 00.00 | 100.00 | 00001 | 100.001 | 0000 | 0 | 10000 | 00.00 | 00.00 |
| 000 | 11.6 | | 1.96 | 4. 6 | 98.1 | 98.11 | 00.00 | 10.00 | 00.00 | 100.00 | 100.001 | 00.00 | 100.00 | 10000 | 00.00 | 000 |
| | : | | 1.96 | 4. 16 | 1.86 | 98.11 | 00.00 | 00.00 | 00.00 | 0.00 | 100.001 | 00.00 | 00.00 | 0000 | 00.00 | 00.00 |
| 8 | - | | 1.96 | 4.16 | 98.1 | 98.11 | 00.00 | 00.00 | 100.00 | 00001 | 100.001 | 0000 | 100.00 | 100.001 | 00.00 | 000 |
| 1 | - | | 1.06 | 4. 6 | 1.86 | 98.11 | 00.00 | 00.00 | 00.00 | 0.001 | 100.001 | 00.00 | 00.00 | 00.00 | 0000 | 00.0 |
| 8 | - | | 36.1 | 47.4 | 98.1 | 98.11 | 10.00 | 00.00 | 00.00 | 100.00 | 100.001 | 00.00 | 100.00 | 10000 | 00.00 | 0000 |
| | 1 | | 1.96 | 7.16 | 1.86 | 11.86 | 00.00 | 00.00 | 00.00 | 0.00 | 100.001 | 00.00 | 00.00 | 00.00 | 00.00 | 00.00 |
| 141 | | | 1006 | 4.16 | 98.1 | 98.11 | 00.00 | 00.00 | 00.00 | 00001 | 100.001 | 0000 | 100.001 | 10000 | 00.00 | 00.00 |
| | - | 0.60 | 1.96 | 4.16 | 1.86 | 98.11 | 10.00 | 00.01 | 00.00 | 0.00 | 100.00 | 0000 | 100.001 | 0000 | 0000 | 00.00 |
| 30 | 11.6 | | 1.96 | 97.4 | 98.1 | 98.11 | 00.00 | 00.00 | 00.00 | 10000 | 100.001 | 00.00 | 100.00 | 100.00 | 00.00 | 00.00 |
| | : | | 1.96 | 4.16 | | 96.1 | 0000 | 00.00 | 0.00 | 0.00 | 100.00 | 0000 | 0.00 | 00.00 | 00.00 | 000 |
| ١٨١ | - | • | 1.96 | 4.16 | 98.1 | 98.11 | 00.00 | 00.00 | 00.00 | 0.00 | 100.00 | 000 | 0.00 | 00.00 | 00.00 | 00.0 |

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANA, CALIFURNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL

22

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
|------------|-----|-----|-------|------|------|-------|---------|----------------------------|-----------|--------|-------|-------|---------|--------|-------|-------|
| (FEET) | 5 | ۱۸ | 41 | 41 | E A1 | 2 2% | 7 | ¥1 ¥1 | VI VI | - | N Al | * | Z Al | 2 5/16 | AI N | 0 1 |
| NO CEILING | | 56 | 6119 | 64.5 | 67.1 | 1.19 | 1.19 | 67.1 | 67.1 | 67.1 | 67.1 | 1.19 | 1.10 | 67.1 | 67.1 | 67.1 |
| 1 20000 | | 56. | • | * | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 0/01 | 67.1 | 67.1 | 67.1 |
| V 18000 | | 56. | • | 64.3 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 07.1 | 0/01 | 67.1 | 67.1 | 67.1 |
| ≥ 16000 | | 56. | • | 4 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| | | 57. | | 65.2 | 67.7 | 67.7 | 67.7 | • | 67.7 | 67.7 | 67.7 | 67.7 | 61.7 | 67.7 | 67.7 | 67.7 |
| 12000 | | 00 | 65.2 | 67.7 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 1 | | 61. | | | 71.6 | 11.6 | 11.6 | 71.6 | 11.6 | | 71.6 | | | 71.6 | 71.6 | 71.6 |
| 0006 | | 61. | 50.99 | 0.69 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 1 | | 63. | 4.89 | 71.0 | | | | | | 73.6 | 73.6 | | | 73.6 | 73.6 | 73.6 |
| 141 | | 63. | 68.4 | 71.0 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | | 73.6 | 73.6 | 73.6 | 73.6 |
| 1 | | 63. | 4.89 | - | | 13.6 | 73.6 | 73.6 | | | 73.6 | | | | 13.6 | 73.6 |
| 2000 | | 63. | 0.69 | 71.6 | 74.2 | 74.2 | • | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 1 | | 63. | 0.69 | - | 74.2 | 14.2 | | 74.2 | | | 74.2 | • | | | 74.2 | 74.2 |
| 1 11 | | 63. | 0.69 | 71.6 | 74.2 | 74.2 | 74.2 | 74.5 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| | | 63. | 0.69 | - | | | 74.2 | | | | 74.2 | 74.2 | 74.2 | | 74.2 | 74.2 |
| 3000 | | 65. | 70.3 | 2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 1 | | .50 | | 72.9 | 75.5 | | 75.5 | 75.5 | 2 | 75.5 | 75.5 | 5 | 75.5 | | 75.5 | |
| 2000 | | 69 | 74.8 | 78.1 | 80.7 | 80.7 | 80.7 | 0 | 80.7 | 80.7 | 80.7 | | 80.7 | 80.7 | | 80.7 |
| | | .01 | 15.5 | 78.7 | • | 61.3 | 81.3 | 81.3 | | 81.3 | 81.3 | 61.3 | 81.3 | 81.3 | | 81.3 |
| 1500 | | 74. | 61.3 | | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | | | | 87.1 | | | |
| | | 78. | 85.2 | 88.4 | - | 91.6 | 6.26 | | 2 | 92.3 | | | | 92.3 | 92.3 | 92.3 |
| 8 | | 82. | | 2 | 1.96 | 96.1 | | 96.8 | 96.8 | 96.8 | 96.8 | | 90.96 | | 96.8 | 96.8 |
| | | 83. | | | | 1.85 | 98.7 | | | 48.7 | | 98.7 | | 98.7 | | 98.7 |
| 8 | | 34 | 6.36 | 95.5 | 98.1 | 98.7 | | 4.66 | 4.66 | | 4.66 | | 4.66 | | • | |
| | | 94 | 6.26 | 1.96 | | 5.66 | 100.01 | 100.001 | 100.001 | 100.0 | 100.0 | • | 0 | 100.0 | 100.0 | 100.0 |
| 8 | | 84. | • | 1.96 | 4.66 | 4.66 | • | 100.001 | 100.00 | | 100.0 | 100.0 | 100.0 | 100.0 | 0.001 | |
| | | 84. | 6.26 | 1.96 | 4.66 | 4.66 | 10000 | | 100.00 | 100.0 | 100.0 | | 100.0 | 100.0 | 0000 | 0.001 |
| 1 11 | | 84. | | 96.1 | 4.66 | 99.4 | 100.001 | | 0.00 | 100.00 | 100.0 | 100.0 | 100.0 | • | 00001 | 10000 |
| | | 84. | 6.26 | | 4.66 | 9.66 | 0000 | 100.00 | 0.001 | 0.001 | 100.0 | 100.0 | 100.0 | 100.0 | 0000 | 0.001 |
| 141 | 3.6 | 84. | 65.6 | 96.1 | 4.66 | 4.66 | 100.00 | | 100.00 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 0.001 | |
| | | 84. | 6.76 | 1.96 | 4.66 | 30.66 | 10000 | 00.00 | 0000 | 0.001 | 100.0 | 100.0 | 0.001 | 100.0 | 0.001 | 0.001 |
| 111 | | 84. | 65.6 | 96.1 | 4.66 | 4.66 | 100001 | 100.00 | 100.001 | 100.0 | 100.0 | 100.0 | 100.0 | 100.00 | 0000 | 0000 |
| | | | 1 | | 1 | - | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

155

SANTA ANA, CALIFORNIA

93114

0

0

0

0

0

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOUSE CL S.T. JUL HONTH

080

| | ٨١ | 63. | 94. | . 49 | 24. | 55. | 67. | 68. | | .69 | 69 | 69 | .69 | 69 | 20. | 0 | | | 74. | | | | 93. | | | 61. | 98. | 99. | | 66 | 66 | 66 |
|----------------------------|----------|------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|
| | ¾ Al | .3 | .5 | 9. | 80 | | 7 | 4. | 2 | | ω. | 00 | 6. | 6. | | | 8. | | 0 | 00 | 9. | 5 | 0. | | | * | • | 0. | * | 9 | 1.6 | 1.66 |
| | 91/5: | .3 | 4.5 | 9. | 4.3 | 5.1 | 7.1 | 8.4 | 8.5 | 6.5 | 9.8 | 8.6 | 6.6 | 6.6 | 0.2 | 2.0 | 8.0 | 1.1 | 0.4 | 4.8 | 1.6 | 6.5 | 0 | 4.3 | 6.3 | 1.4 | 8.5 | 6 | 4.6 | 9.5 | 9 | 9.6 |
| | AI % | 3.3 | 5 | 9. | 00 | | 7 | 3. | | | 00 | | 0. | 6 | | .2 | | 1. | 0 | 0 | 9. | .5 | 0 | | | 3. | 5 | • | | 66.5 | 0 | 9.66 |
| | * 1 | 10 | 4.5 | 9. | 4.8 | - | 7.1 | 5. | 8.5 | 5.6 | 00 | 8 | 6.6 | 6.6 | .2 | 2.0 | 8.0 | 1. | 0.4 | | 1.6 | 6.5 | - | 4.3 | 6.3 | 4.1 | 8.5 | _ | 4.6 | . 5 | - | 9.66 |
| | % AI | 3.2 | 4.4 | | 0.4 | 2.1 | 7.0 | 8.3 | | 3.4 | 8.6 | 9.6 | 9.8 | 8.6 | 0.1 | 7.0 | 2.0 | - | 3.9 | 8.4 | 1.5 | 4.9 | 5.9 | 7.4 | 6.2 | 6.1 | 4.8 | 8 | 6.6 | 4.66 | | 5.66 |
| 6 | - AI | 3. | 4.49 | 64.5 | 4.8 | | 7.0 | 8.3 | 8.4 | 4.6 | . 8 | 8.6 | 8.6 | 8.6 | 0.1 | 0.2 | 1.0 | 1.6 | 3.9 | 8.4 | 1.5 | 4.9 | • | 4.2 | 6.2 | 7.3 | 8.4 | 80 | 6.3 | | 4.66 | 7.66 |
| VISIBILITY (STATUTE MILES) | ¥1 ×1 | | 4.49 | • | | 9.59 | 6.9 | - | .3 | 3. | | | 00 | 8 | 0 | 7 | 1 | 30 | 00 | | .3 | .3 | 0 | 0 | 0 | - | .2 | .5 | 0 | 0.66 | | 0.66 |
| ILLITY (STA | ¥1 Y | | 64.3 | | 9. | 5.5 | 0 | | 5.89 | 0.0 | 9. | 9.6 | 1. | 2.6 | 0 | 0 | 0 | 'n | | 9 | 1.4 | 2. | 5.6 | | | 6 | 6.1 | | | 1.86 | . 1 | 1.86 |
| VISIN | 7 | 2 | | | * | | .9 | | - | | 6 | | 0 | 6 | | 6 | 0 | - | | * | - | 3. | 95.0 | 3 | 3 | | - | - | - | 8.16 | - | 97.8 |
| | 7 2% | - | 62.7 | | 0 | | 5 | | 9.99 | • | 0.89 | | 00 | 00 | 00 | 000 | 6 | 0 | 2 | 3 | 6 | | 0 | | 3 | | 4 | 4 | 95.3 | 93.3 | | 6.56 |
| | N Al | | 5 | • | 2 | 3 | | 0 | 1.99 | - | 4.19 | - | | - | 67.7 | - | * | 6 | : | 2. | | 3 | 88.4 | 6 | - | | ò | | 3 | 93.3 | 3. | 93.3 |
| | AI | | 6 | 59.1 | 0 | | • | 2. | 65.6 | 3 | | 4 | , | 4 | • | * | * | | | 6.89 | * | | 83.8 | • | | 86.7 | 87.0 | 87.0 | 87.1 | 87.1 | 67.1 | 87.1 |
| | N AI | 5 | | | | | | | | 0 | 61.1 | | - | | - | | 619 | 52.7 | | | | | 78.7 | | | 81.3 | 81.5 | 31.5 | 81.6 | 91.6 | - | 81.6 |
| | % | | | | | | | | 53.6 | | | | | | | | | | | 29.0 | | | | | 71.1 | | : | - | • | 71.6 | • | |
| | 2 | 5.7 | 5.7 | 5.7 | 5.7 | 5.8 | 5.8 | 5.9 | 5.9 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 6.3 | 6.3 | 9.9 | 4.0 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.9 | 6.5 | 6.5 | 6.9 | 6.5 |
| CEILING | FEET) | NO CEILING | 20000 | 18000 | 16000 | 14000 | 12000 | 0000 | 0006 | 8000 | 2000 | 9009 | 2000 | 4500 | 4000 | 3500 | 3000 | 2500 | 2000 | 1800 | 1500 | 1200 | 1000 | 8 | 008 | 700 | 8 | 8 | 400 | 8 | 300 | 8 |

TOTAL NUMBER OF OBSERVATIONS

1240

SANTA ANA, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (L S T MONTH 0

E

AUG

0.09 0.09 0.09 0.09 64.5 76.8 19.4 94.2 94.8 8.96 88.4 0000 67.7 58.7 60.7 VI VI 59.4 59.4 29.4 0.09 0.09 0.09 0.09 0.09 0.09 619 64.5 67.1 76.8 2.46 8.46 8.96 60.7 19.4 58.7 ٨١ 59.4 0.09 59.4 0.09 0.09 19.4 29.4 0.09 64.5 88.4 91.6 4.66 0.09 6119 76.8 0.09 67.1 2.46 8.76 58.7 96.8 60.7 67.7 2 5/16 59.4 \$3.4 59.4 0.09 0.09 0.09 0.09 67.1 2.46 8.46 96.8 4.66 0.09 76.8 4.64 4.66 61.9 88.4 60.7 % AI 90.65 0.09 88.4 0.09 59.4 0.09 0.09 6119 64.5 67.1 19.4 59.4 0.00 7.66 7.66 9116 2.46 4.66 96.8 600.7 76,8 8.56 67.7 58.7 ۲۱ * 4.65 59.4 0.09 6119 67.1 \$9.4 2.46 39.4 0.09 64.5 76.8 4.64 88.4 91.6 94.8 0.09 0.09 0.09 0.09 0.09 96.8 4.66 58.7 60.7 N N 59.4 59.4 79.4 0.09 0.09 91.6 94.8 59.4 0.09 60.09 76.8 94.2 96.8 4.66 59.4 60.0 61.9 88.4 88.4 •09 ۸۱ VISIBILITY (STATUTE MILES) 0.09 0.09 0.00 59.4 8.92 8.46 8.96 59.4 59.4 0.09 4.66 0.09 91.6 4.66 61.9 4.61 58.7 0.09 60.7 64.5 2.46 4.66 67.1 67.7 \ ₹ 59.4 0.09 0.09 59.4 59.4 0.09 0.09 76.8 88.4 8.46 59.4 0.09 0.09 61.9 67.1 79.4 2.46 4.66 96.8 64.5 60.7 60.7 7 7 7 0.09 0.09 59.4 76.8 9.16 8.76 59.4 59.4 0.09 0.00 0.00 6.19 8.96 4.66 4.66 0.09 4.64 7.66 4.65 4.66 64.5 67.1 94.2 7.66 58.7 59.4 67.7 88.4 58.7 58.7 7 59.4 29.4 0.00 63.9 93.6 98.1 50.4 50.4 92.9 95.5 61.3 66.99 67.1 6.06 58.1 76.1 87.1 8 58.7 1 2% 74.8 57.4 0.09 91.6 65.6 65.2 65.8 77.4 8.96 57.4 0.68 90.06 56.8 97.4 58.1 92.3 34.5 56.8 58.1 85.8 96.8 58.1 58.1 58.7 58.1 58.1 ۸I 4.00 62.6 71.6 4. 48 24.5 24.5 51.0 54.8 56.8 61.9 82.6 53.6 54.2 54.2 8.45 51.0 54.8 54.8 50.3 55.5 59.4 73.6 80.0 53.6 51.6 55.5 84.5 85.2 ٧I 21.0 51.0 80.0 80.0 52.9 51.0 76.8 2.46 50.3 50.3 50.3 2.9 80.0 49.7 45.8 51.0 67.1 52.9 58.1 58.7 62.6 67.7 71.6 78.1 ر ا 45.2 45.8 61.9 68.4 45.8 45.8 46.5 53.6 45.2 45.8 0.3 72.3 44.5 45.2 47.7 44.5 ٨١ 5.6 5.0 6. 3.9 5.0 3.9 3.9 NO CEILING > 20000 VI VI 00081 00081 80 (FEET) 12000 4500 3500 2000 1800 88 200 88 VI VI 000 000 000 2000 88 1200 9000 AI AI AIA AI AI

TOTAL NUMBER OF OBSERVATIONS

155

93114 STATION

34.2 34.2

34.2 34.2 34.2 34.2 34.2 34.2

34.2

33.6

34.2 34.2

34.2

34.2 36.1

34.2

34.2

34.2

34.2

33.6 34.2 34.2

32.3

32.3 33.6

32.3

32.3 32.3 33.6 33.6 34.2

32.3 32.3 32.3 32.3 32.3

> 32.3 32.3

32.3

٨١

٨١

41.9

41.3

41.3 41.9

37.4

37.4 41.3 41.9

36.1

36.1 37.4

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

AI

Al

(FEET)

NO CEILING

VI VI 16000 ₹ 20000

Y 1400

00 %

AI AI

()

800 7000 000

AI AI

888

AI AI

4500

AI AI

YEARS

AUG 40

1400

L S T) SUNON

32.3 33.6 34.5 34.2 34.2 54.8 58.1 33.6 33.6 34.2 34.2 34.2 36.1 37.4 6.14 73.6 32.3 83.2 32.3 32.3 34.2 41.3 78.1 ٨١ 33.6 57.4 32.3 37.4 41.3 77.4 82.6 32.3 32.3 32.3 34.2 34.2 34.2 34.2 34.2 24.5 72.9 34.2 34.2 41.9 36.1 * ۸ι \$7.4 33.6 34.2 37.4 41.3 32.3 33.6 34.5 34.2 34.5 41.9 72.9 32.3 32.3 36.1 4.11 82.6 34.2 34.2 24.5 ٨i PERCENTAGE FREQUENCY OF OCCURRENCE 32.3 33.6 33.6 34.2 34.2 34.2 37.4 41.9 32.3 32.3 34.2 34.2 36.1 57.4 77.4 82.6 32.3 34.2 34.2 54.2 72.9 41.3 ٨I VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 53.6 53.6 34.2 34.2 41.9 33.6 34.2 36.1 34.2 34.2 32.3 33.6 37.4 41.3 16.8 32.3 32.3 72.3 81.9 34.2 33.6 33.6 34.2 81.9 32.3 34.2 34.5 34.2 41.3 72.3 76.8 34.2 36.1 37.4 41.9 32.3 31.0 32.3 32.3 34.2 Al 0.08 32.3 33.6 53.6 32.3 41.9 34.2 37.4 1.91 33.6 34.5 34.2 34.8 34.8 34.5 41.3 72.3 32.9 34.2 36.1 54.8 56.8 ۸ ۱۸ 31.0 4.89 72.3 32.3 51.6 76.1 31.0 32.9 32.9 34.8 0.04 31.0 32.3 32.9 32.9 32.9 36.1 .04 ١٨ 40.0 71.0 39.4 51.0 32.3 32.3 35.5 30.3 30.3 30.3 30.3 31.0 31.6 32.3 32.3 32.3 32.3 34.2 54.5 74.2 32.3 67.7 ۸I 37.4 28.4 4. 28.4 47.7 30.3 33.6 51.0 67.7 4. 30.3 30.3 30.3 30.3 30.3 32.3 65.8 29.7 30.3 38.1 63.2 0.1 AI 37.4 31.6 53.5 29.0 29.7 36.8 61.3 27.7 29.0 29.7 7.60 32.9 50.3 27.7 47.1 65.2 27.7 29.1 29.7 27.7 29.7 27.7 29.1 18 28.4 26.5 26.8 33.6 56.8 26.5 26.5 47.1 24.8 24.5 26.5 43.9 25.8 26.5 34.2 .7 26.5 24.5 24.5 56.1 54.

TOTAL NUMBER OF OBSERVATIONS

155

14.16

96.8

95.5

95.5

95.5

94.8

95.5

8.46

73.6

0.69

58.7

80

AI AI

73.6

0.69

5.6

5.6 5.0

88

AI AI

5.6

88

AI AI

8

89.0

89.0

86.4

87.7

87.7

87.1

87.1

85.2 83.2

81.3

19.4

70.3

58.1 67.1

58.1 58.1

12.3

6.26

6.36

92.3

91.6 92.3

91.6

92.3

86.5

72.3 13.6

4.89

93.6

8. 76

94.2

2.46

94.2

6.26

6.26

87.1 0.68

86.5

85.8

85.8

85.8 87.7

85.2

85.2

4.61

77.4

69.7

66.5

57.4

2.6 5.6

88

11 11

9.7

88

ALAI

9.0

5.6

88

5.6

8 8

AI AI

6. 9.2

2000

AI AI

1.3

3000

AI AI

1.9

93.6

83.9

83.9

78.7

74.2

54.8 58.7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114 STATION

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

107 AUG

| | ٨١ | 22. | 23 | 23. | 23. | 23. | 25. | | 20. | 26. | | | 27. | | 29. | 31. | 31. | 37. | 39. | 47 | 55. | 67. | | 78. | 80. | 85. | 92. | 95. | 96 | 200 | 66 |
|----------------------------|------------|------------|------|-------|------|-------|------|------------|-----|------|------|--------|--------|-----|------|------|------|--------|------|--------|-------|------|--------|------|------|------|------|--------|----------|------|------|
| | N AI | 22.6 | | m | | | 3 | | 0 | | 9 | - | 27.1 | | | 31.0 | 31.6 | | 0 | 47.1 | | 1.19 | 2 . 5/ | | 80.7 | | | | | : | 90.8 |
| | 2 5/16 | 21.9 | | 22.6 | | | 54.5 | | | | 25.8 | 56.92 | 5.92 | | | .0 | 31.0 | 9 | 38.7 | | 54.8 | 66.5 | 74.2 | | 80.0 | 85.5 | 91.6 | 8 . 46 | | 1006 | 1006 |
| | Z AI | 6.12 | • | 22.0 | | | | | | | | | | | | | | | | | | | | | 0 | 3 | - | * | 62.5 | 0 | 1006 |
| | * | 21.3 | | 21.9 | - | 21.9 | - | 3 | 5 | 2 | | 2 | 25.8 | • | | | •. | • | | 2 | * | • | - | | | * | 6.06 | | | 7005 | 24.5 |
| | % Al | 21.3 | • | | | | | | | | | • | 25.6 | | | • | | | | | | | | | | | 0 | 3 | or White | : | ; |
| £S) | - | 21.3 | - | 21.9 | - | - | 3 | (1) | 3. | | | 5 | 25.8 | • | 8. | 6 | ò | • | * | 5 | 17.20 | 63.8 | • | 77.4 | 0 | | • | 2 | | • | 93.6 |
| VISIBILITY (STATUTE MILES) | 71 71 | 21.3 | - | - | - | : | 3 | | * | * | * | 3 | 25.2 | 2 | | 6 | | 3 | | 2 | 8 | 3 | • | | | 2 | | 8 | 0.68 | | 0.68 |
| IBILITY (ST. | ۷۱ کا | 21.3 | • | 21.9 | | 21.9 | | 23.9 | * | 4 | | 5 | 25.2 | 2 | | | • | 5 | | • | 53.6 | | | 76.8 | | - | 85.8 | | 0.68 | 0.48 | 0.0 |
| NIS. | 7 1 | 21.3 | - | : : | 1 | - | 101 | | * | * | 4 | 3 | 25.5 | 5 | 7. | 6 | 6 | è | | 2 | 52.9 | 3 | 71.0 | 74.2 | 0 | 77.4 | | | £ • 1 a | 81.3 | 81.3 |
| | 2 2% | 21.3 | - | 21.9 | - | 21.9 | 072 | | 3 | 24.5 | * | 5 | 2.52 | 5 | 1. | | • | 3 | | 5 | | 2.09 | • | - | | 0 | • | • | 12.9 | | 200 |
| | ۲۱ د ما | 19.4 | 3 | 0 | 0 | 0 | - | - | 3 | 3 | 2 | 3 | | 3 | 5 | | | 2 | | | 6 | • | 00 | 60.7 | | 63.5 | 63.9 | 64.5 | • | 3 | 64.5 |
| | 7 | 10.6 | • | 17.4 | 17.4 | 17.4 | | 19.4 | | | | ċ | 20.7 | - | | | | 6 | | 00 | • | 45.2 | | • | | 50.3 | 50.3 | 50.3 | | 20.3 | 20.0 |
| | S AI | 10.4 | • | 16.8 | 16.8 | 16.8 | 18.7 | • | | | | 0 | 20.0 | 0 | • | 3 | 3 | | 30.3 | 9 | • | 43.5 | | * | | 44.5 | 44.5 | 44.5 | 44.5 | 44.3 | 44.0 |
| | ۸۱ | 12.9 | • | | | | | | | | 15.5 | | | | 18.1 | 19.4 | 19.4 | 53.9 | 25.5 | 30.3 | N | 33.6 | 5.50 | 4 | * | 34.2 | * | | 34.2 | 3 | |
| | 5 | 3.5 | • | • • | | 3.2 | | 3.2 | | 3.2 | 3.2 | 3.2 | 3.2 | 3.5 | | | | 3.5 | | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.6 | 3.9 | 3.9 | 3 |
| CEILING | (FEET) | NO CEILING | 2000 | 00091 | | 12000 | | 000 | | 7000 | | 2 2000 | × 4500 | | | 3000 | | 7 2000 | 1 | > 1500 | | 1000 | | 80 | | 000 | | 84 | 300 | - | 8 |

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 AUG

8

| VISIBILITY (STATUTE MILES) | 26 23 22% 22 21% 21% 21 24 24 24 24 24 24 24 24 20 | 31.0 35.5 43.9 56.8 61.9 67.1 69.7 69.7 70.3 70.3 70.3 70.3 70.3 70. | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 32.3 36.8 45.2 58.1 63.9 69.0 71.6 71.6 72.3 72.3 72.3 72.3 72.3 72.3 7 | 32.3 36.8 45.2 58.1 63.9 69.0 71.6 71.6 72.3 72.3 72.3 72.3 72.3 72.3 72.3 7 | 3.6 38.1 46.5 59.4 65.2 70.3 72.9 72.9 73.6 73.6 73.6 73.6 73.6 73. | 3.6 38.1 47.1 60.7 66.5 71.6 74.2 74.2 74.8 74.6 74.8 74.8 74.8 74. | 3.6 38.1 47.1 60.7 66.5 71.6 74.2 74.2 74.8 74.8 74.8 74.8 74.8 74.8 | 2 38.7 47.7 61.3 67.1 72.3 74.8 74.8 75.5 75.5 75.5 75.5 75.5 75.5 | 8 39.4 48.4 61.9 67.7 72.9 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 76.1 | 8 39.4 48.4 61.9 57.7 72.9 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 76.1 | 8 39.4 48.4 61.9 67.7 72.9 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 | 8 39.4 48.4 61.9 67.7 72.9 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 | 8 39.4 48.4 61.9 67.7 72.9 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 | 8 39.4 48.4 61.9 67.7 72.9 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 | 1 42.6 51.6 65.2 71.0 76.1 78.7 78.7 79.4 79.4 79.4 79.4 79.4 79.4 79.4 | 4 43.9 52.9 66.5 72.3 77.4 80.0 80.0 80.7 80.7 80.7 80.7 80.7 80.7 | 2 49.0 58.7 72.3 78.1 83.2 85.8 85.8 86.5 86.5 86.5 86.5 86.5 86.5 | 2 49.0 58.7 72.3 78.1 83.2 85.8 85.8 86.5 86.5 86.5 86.5 86.5 86.5 | 5 51.0 62.6 76.8 82.6 87.7 90.3 90.3 91.0 91.6 91.6 91.6 91.6 91.6 | 8 52.9 64.5 79.4 65.8 91.0 93.6 93.6 94.2 94.8 94.8 94.8 94.8 94.8 | 3 33.0 03.2 80.0 80.3 42.3 94.8 44.8 75.3 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1 | 7.1 34.2 65.8 80.7 87.1 93.6 96.1 96.1 96.8 97.4 97.4 97.4 97.4 97.4 | 7.1 54.2 65.8 80.7 87.1 93.6 96.1 96.1 96.8 97.4 97.4 97.4 97.4 97.4 | 7.1 54.2 65.8 31.3 87.7 94.2 96.8 96.8 97.4 98.1 98.1 98.1 98.1 98.1 | 7.1 54.2 66.5 81.9 58.4 94.8 97.4 97.4 98.1 98.7 98.7 98.7 98.7 | 7.1 54.2 66.5 81.9 89.0 95.5 98.1 98.1 98.7 99.4 99.4 99.4 99.4 99.4 | 7.1 54.2 66.5 81.9 89.0 95.5 98.7 98.7 99.4100.0100.0100.0100.0100.010 | .1 54.2 66.5 81.9 89.0 95.5 98.7 98.7 99.4100.0100.0100.0100.0100.0100.01 | 47.1 54.2 66.5 81.9 89.0 95.5 98.7 98.7 99.4100.0100.0100.0100.0100.0100.0100.01 |
|----------------------------|---|--|---------------------------------------|---|--|---|---|--|--|---|---|--|--|--|--|---|--|--|--|--|--|---|--|--|--|---|--|--|---|--|
| | A1 | 31.0 35.5 43.9 56. | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 32.3 36.8 45.2 5 | 32.3 36.8 45.2 5 | 3.6 38.1 46.5 59. | 3.6 38.1 47.1 6 | 3.6 38.1 47.1 60. | 2 38.7 47.7 61. | 8 39.4 48.4 61. | 8 39.4 48.4 61. | 8 39.4 48.4 61. | 8 39.4 48.4 61. | 8 39.4 48.4 61. | 8 39.4 48.4 61. | 1 42.6 51.6 65. | 4 43.9 52.9 66. | 2 49.0 58.7 72. | 2 49.0 58.7 72. | 5 51.0 62.6 76. | 8 52.9 64.5 79. | 5 55.0 65.2 60. | 7.1 34.2 65.8 8 | 7.1 54.2 65.8 8 | 7.1 54.2 65.8 8 | 7.1 54.2 66.5 81. | 7.1 54.2 66.5 81. | 7.1 54.2 66.5 81. | .1 54.2 66.5 81. | .1 54.2 66.5 81. |

TOTAL NUMBER OF OBSERVATIONS

155

3888

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 AUG

1881

| | | | | | | | N N | BILITY (ST | VISIBILITY (STATUTE AUFS) | ٤ | | | | | | |
|-----------|-----|-------|---------------|------|---------|-------|---------|------------|---------------------------|---------|---------|-------|-------|---------|----------|-----|
| CEILING | | | | | | | | | | | | | | | | |
| (1997) | 2 | ٨١ | 5 0 Al | 4 | e Al | 1 2% | ~ Al | 71 71 | 71 71 | - AI | ₩ Al | * Al | 2 11 | ≥ 5/16 | Zi Al | ٨١ |
| O CEILING | 0.6 | , - | 67.7 | 17.4 | 87.1 | 89.7 | | : | | - | 916 | | 9116 | 91.6 | 91.6 | 6 |
| × 20000 | 0.6 | • | 58.4 | 78.7 | 68.4 | 91.0 | 92.3 | 95.9 | 92.9 | 92.9 | 6.26 | 6.76 | 6.26 | 92.9 | 92.9 | 92. |
| | 0.6 | , . | 4.89 | 78.7 | 8 | - | | 2. | | 2. | 65.6 | | | | 92.9 | 92. |
| 14000 | | 61.9 | 0 | 78.7 | | 0.16 | | 2 | | 2 | 6.26 | | 6.26 | 92.9 | 92.9 | 92. |
| | | 62.6 | 69. | 4.61 | 6 | | 6.66 | 3 | | | 93.6 | | 93.6 | 3 | 93.6 | 93. |
| 12000 | | 63.9 | - | 80.7 | 90.3 | 92.9 | 34.2 | 4 | 8.46 | 94.8 | 8.46 | | 94.8 | 8.46 | 94.8 | 94. |
| | | 63.9 | - | 81.3 | 1 | | * | 3. | | 5 | | | | 5 | 95.5 | 95. |
| 1 1 | 0.6 | 63.9 | - | 81.3 | 91.0 | 93.6 | 94.8 | | 95.5 | 95.5 | 5.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95. |
| | 0.6 | 63.9 | 10. | - | - | 3 | 8.76 | 5 | | 5 | 5.5 | | | 5 | 95.5 | 95. |
| 38 | 6.0 | 64.5 | 71.0 | 81.9 | 916 | 94.2 | 95.5 | 96.1 | 96.1 | 96.1 | - | | 96.1 | 96.1 | 96.1 | 96 |
| 1 | 9.0 | 64.5 | 11. | 81.9 | | . 4 | 98.5 | 1.96 | 96.1 | . 9 | .0 | | 1.96 | 1.96 | 96.1 | 96 |
| 8 8 | 0.6 | 64.5 | 71.0 | 81.9 | 91.6 | 2.76 | 95.5 | 1.96 | 96.1 | 96.1 | 1.96 | 1.96 | 96.1 | 96.1 | 96 | 96 |
| | 0.6 | 64.5 | 1.0 | 1 | | 3 | | | 96 | 9 | | 1.96 | 1.96 | 1.96 | 1006 | 96 |
| 4004 | 6.0 | 64.5 | 71.0 | 81.9 | 91.6 | 94.2 | 95.5 | 96.1 | 96.1 | 96.1 | - | 96.1 | 96.1 | 96.1 | 96.1 | 96 |
| | 6.0 | 64.5 | 71. | - | | 5 | | | 96.1 | 9 | | 1.96 | 96.1 | 96.1 | 96.1 | 96 |
| 3000 | 0 | 65.2 | 71.6 | 82.6 | 92.3 | 8 76 | 96 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 90.6 | 96.8 | 96.8 | 96 |
| 1 | 6 | 65.3 | 12. | | | 2 | | | 97.4 | - | | | | | 97.6 | 97. |
| 2000 | 6 | 65.5 | 1 | 2 | 92.9 | 95.5 | 96.8 | 97.4 | 97.4 | 97.4 | 4.76 | 97.4 | 97.4 | 97.4 | 97.4 | 97. |
| 1 | 9.0 | 65.2 | 12. | 10 | | 5 | | 1 | 97.4 | - | 4.16 | 97.4 | | 97.4 | 97.4 | 97. |
| 8 8 | 6 | 65.8 | 1 | 83.9 | 93.6 | 96.1 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98 |
| 1 | 9.7 | 65.8 | - | 83.9 | | | 1.86 | 8 | 98.7 | 98.7 | 7.86 | 98.7 | 98.7 | 98.7 | 98.7 | 98 |
| 88 | 9.7 | 66.5 | 73.6 | 84.5 | | 4.16 | | 4.66 | 4.66 | | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 66 |
| | 4.5 | 66.5 | 73. | 84.5 | | | 98.7 | 4.66 | \$. 66 | 4.66 | 4.66 | 7.66 | 4.66 | 4.66 | 4.66 | .66 |
| 88 | 9.7 | 66.8 | 73. | 84.5 | 34.5 | 4.16 | 7.86 | 6 | 4.66 | 4.06 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99. |
| 1 | 4.5 | 66.99 | 73 | 84.5 | | 4.16 | 1.86 | 6 | 4.66 | 99.4 | 4.66 | 40.66 | 4.66 | 4.66 | 4.66 | .66 |
| 8 | 4.4 | 66.9 | - | 84.5 | 2.56 | 97.4 | 7.86 | | 4.66 | 1000 | 4.66 | 4.66 | 4.66 | | 4.66 | 99. |
| | 6.4 | 66.3 | - | 84.5 | 34.5 | 47.4 | 1.86 | | 4.66 | 9.66 | 4.66 | \$ 66 | 4.66 | | 4.66 | |
| 8 | 2.6 | 66.5 | 73. | 84.3 | 34.5 | 4. 16 | 7.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 66 |
| | 7.6 | 5099 | 73. | 84.5 | 2.46 | 4.16 | 98.71 | 0.00 | 100.00 | 0.00 | 100.0 | 00.00 | 0.001 | 0000 | 0.001 | 100 |
| 30 | 2.4 | 6000 | 73.6 | 84.5 | 34.5 | 4.16 | 98.7 | 0.001 | 100.001 | 0000 | 100.001 | 0000 | 0.001 | 100.00 | 1000 | 100 |
| | 2.5 | 66.5 | 13.6 | 84.5 | 2006 | 3.46 | 98.7 | 0.00 | 100.001 | 0.001 | 100.001 | 0000 | 0000 | 0.001 | 100.0 | 100 |
| 0 | 6.1 | | 73.6 | 84.5 | 7.46 | 97.4 | 98.71 | 0.001 | 100.001 | 0000 | 100.00 | 0.00 | 0000 | 100.001 | 1000 | 100 |

TOTAL NUMBER OF OBSERVATIONS

155

-

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 AUG

1100

| (FEET) | | | | | | | | | | | | | | | | |
|------------|------|---------|----------|-------|---------|------|---------|---------|----------|----------|---------|-------|--------|--------|-------|------|
| | 5 | 9 Al | S | 4 | e Al | 2 2% | 7 | 71 77 | VI 72 | <u>-</u> | × Al | * | 2. | 2 5/16 | × Al | ٨١ |
| NO CEILING | - | | Ŀ | 88.4 | 1: | 7. | 91.6 | 91.6 | 911.6 | - | 91.6 | 91.6 | 91.6 | 91.6 | 9116 | 9116 |
| > 20000 | | | 85.2 | 60.3 | 93.6 | 93.6 | 93.6 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| | - | | : | 90.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | | 93.6 | | | 93.6 | 93.6 | 93.6 |
| 2 16000 | 11.6 | 78.7 | | 91.0 | 84.5 | 94.2 | 2.56 | 3.46 | 34.5 | 84.5 | | 34.5 | | 94.2 | 34.2 | 94.2 |
| | - | | 85.8 | 91.0 | 2.46 | 34.2 | 3.96 | 34.2 | * | 34.5 | 2.46 | 34.5 | * | 94.2 | 94.2 | 3.46 |
| 7 12000 | | 80.7 | 87.7 | 65.6 | 96.1 | 1.96 | 1.96 | 1.96 | 96.1 | 96.1 | 1.96 | 96.1 | 96.1 | 96.1 | | 96.1 |
| | - | 80.7 | 87.7 | 92.9 | 96.1 | 1.96 | 1.96 | 96.1 | 6 | 1.96 | 1.96 | 1.96 | 1006 | 96.1 | 96.1 | 96. |
| 800 | 11.6 | 80.7 | 87.7 | 65.6 | 1.96 | 96.1 | 96.1 | 1.96 | 1.96 | 96.1 | 1.96 | 1.96 | 96.1 | | 96.1 | 96.1 |
| 1 | - | | 87.7 | 65.0 | 1.96 | 1.96 | | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 96.1 | 1.96 | 96. |
| 700 | | | 87.7 | 65.6 | 1.96 | 96.1 | 96.1 | 96.1 | 1.96 | 1.96 | 96.1 | 1.96 | 96.1 | 96.1 | 96.1 | 96.1 |
| 1 | - | | 87.7 | | 1.96 | | 96.1 | 96.1 | 1.96 | 9 | 1.96 | 1.96 | 1006 | 1096 | 1096 | 96. |
| 2000 | | | 87.7 | 65.6 | 1.96 | 96.8 | 8.96 | 8.96 | 800 | 8.96 | | 8.96 | 96.8 | | 96.8 | 96.8 |
| | - | | 87.7 | 65.6 | 1.96 | 96.8 | | 96.8 | | 8.96 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 9 | | | 88.4 | 93.6 | 90.06 | 4.16 | | 4.16 | - | 4.16 | 4.16 | 97.4 | 4.16 | 97.4 | 97.4 | 97.4 |
| 1 | - | | 88.4 | 93.6 | 8.96 | 4.6 | | 4.16 | 7. | 4.46 | 4.76 | 4.16 | 4.16 | 97.4 | 4.76 | 97.4 |
| 3000 | 2 | | 89.0 | 2.56 | 4.16 | 98.1 | 98.1 | 98.1 | 1.86 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 1 | | | 0.68 | 34.2 | 4.16 | 1.86 | | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 1.06 | 98.1 | 98.1 | 98. |
| 7000 | N | | 89.7 | 8. 96 | 98.1 | 7.86 | | 7.86 | 98.7 | 98.7 | 7.86 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| | 2. | | 89.7 | 8.76 | 98.1 | 1.86 | 98.7 | 98.7 | 7.86 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1 70 | | | 6.06 | 65.5 | 7.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 |
| 1 | 2 | | 90.3 | 68.8 | 98.7 | 39.4 | 7.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| 900 | | | 6.06 | 95.5 | 7.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| | | | 6.06 | 93.8 | 1.86 | 6 | 4.66 | 4.66 | 4.66 | 4.66 | 7.66 | 7.66 | 4.66 | 4.66 | 7.66 | 99.4 |
| 8 | N | | 90.3 | 93.3 | 186 | 7.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| | 2. | | 6.06 | 5. 56 | 98.7 | 6 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 30.66 | 4.66 | 40.66 | 4.66 | 99. |
| 8 | | | 90.3 | 95.5 | 1.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| | | | 90.3 | 95.5 | 1.86 | 4.66 | 7.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| 8 | | 3. | 90.3 | 95.5 | 7.86 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| | | | 90.3 | | | 66 | 100001 | 100.00 | 100.00 | 0.001 | 0 | 0 | | 0 | • | 0001 |
| 30 | | 3. | 90.3 | 98.3 | 68.7 | 99.4 | 100001 | 100.00 | 100.00 | 0.001 | 100.001 | 0000 | 100.00 | 10000 | 0000 | 00 |
| 8 | 12.9 | 33.2 | 90.3 | 95.5 | | | 100.00 | • | 0 | 0.001 | 0.001 | 0.001 | | 0000 | 0000 | 00 |
| | | 3. | 30.3 | 60.66 | 98. | 39.4 | 100.001 | 100.001 | 0.001 | 00001 | 100.001 | 0.001 | 0.001 | 0.001 | 00001 | 00 |

TOTAL NUMBER OF OBSERVATIONS

===

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (L S T AUG

Ĩ

93.6 91.0 6.26 92.3 94.8 96.1 92.3 96 ٨١ 92.9 4.16 1.86 4.66 4.66 91.0 93.6 4.66 92.3 1.96 1006 92.3 92.3 92.3 92.3 92.3 92.9 8 . 96 97.4 7.86 4.66 89.7 92.3 4.66 4.66 4.66 4.66 65.6 91.0 6.26 93.6 97.4 89.7 92.3 92.3 92.3 8.76 96.1 97.4 89.7 92.3 92.3 92.3 92.3 1.96 98.1 98.7 89.7 2 5/16 6.26 93.6 6.26 94.8 7.66 91.0 65.3 92.3 65.3 65.6 1.96 4.16 4.66 92.3 92.3 6.26 4.16 89.7 1.06 98.1 98.7 4.66 AI 93.6 91.0 4.66 92.9 4.66 7.66 92.3 92.3 92.3 92.9 1096 4.66 89.7 92.3 92.3 8.76 1.96 97.4 98.1 4.66 92.3 92.3 98.7 89. * 4.66 4.66 6.76 93.6 92.3 6.26 92.3 92.3 1.96 97.4 4.16 1.86 89.7 89.7 91.0 92.3 92.3 6.76 95.9 8.46 7.86 4.66 4.66 1.96 89.7 89.7 ۸۱ 4.66 89.7 91.0 6.26 65.6 4.16 4.66 4.66 92.3 92.3 92.3 93.6 8.46 98.1 7.86 4.66 4.66 89.7 92.3 92.3 97.4 89.7 96.1 92.3 1.96 VISIBILITY (STATUTE MILES) 4.16 4.66 91.0 93.6 8.76 97.4 92.3 6.26 4.66 4.66 1.68 6.76 92.3 92.3 6.26 4.66 92.3 85.3 96.1 96.1 7.86 4.66 89.7 92.3 98.1 V 1% 91.0 4.16 93.6 4.66 4.66 4.66 92.3 92.3 4.66 89.7 92.3 92.3 92.3 98.1 4.66 89.7 6.26 92.3 92.3 6.26 95.9 8.46 96.1 1.96 89.7 98.7 71 77 91.0 4.66 4.66 65.3 92.3 6.26 4.66 92.3 93.6 93.6 6.76 92.3 4.66 7.66 92.3 92.9 92.9 94.8 96.1 96.1 4.16 98.1 4.66 69.7 89.7 89.7 78.7 92.3 94.8 1.96 92.3 4.1.6 4.16 91.0 92.3 92.3 92.3 92.3 92.9 1.96 97.4 98.1 89.7 98.7 96. 98 7 2% 93.6 91.0 97.4 4.76 6.26 6.26 6.26 6.26 4.76 92.3 92.3 92.3 92.3 8.76 96.1 98.1 7.86 92.3 1.96 98.7 98.7 98.7 89.7 98.7 4.16 4.16 93.6 89.7 89.7 91.0 92.9 4.16 4.6 92.3 92.3 92.3 65.6 96.1 92.3 92.3 89.7 89.7 92.3 92.3 8.76 96.1 98.1 98.1 98.1 98.1 98.1 98.7 ٨I 0.16 93.6 6.76 85.2 95.3 92.3 6.76 65.6 6.76 6.76 85.2 86.5 87.7 87.7 88.4 0.68 8006 0.16 92.9 6.26 88.4 85.2 87.7 87.7 87.7 87.7 87.7 Al 80.0 82.6 82.6 82.6 80.0 81.3 82.6 82.6 82.6 85.6 80.0 80.0 83.9 87.1 83.2 83.2 85.2 85.8 85.8 87.1 87.1 87.7 87.7 88.4 87.7 87.7 87.1 37.7 ۰ ۸۱ 2.3 11.0 11.0 11.0 11.0 11.0 9.11 12.3 11.0 11.0 12.3 12.3 11.0 0.11 71.0 11.0 11.6 11.6 12.3 12.3 11.0 2.3 12.3 0.11 11.0 12.3 12.3 2.3 2 NO CEILING 18000 12000 000 000 000 80 (FEET) × 20000 2000 3000 1500 88 200 200 200 200 450 400 400 2500 88 88 88 88 AI ALAI AI AI ALAI AI AI AI AI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

155

==

9110

CEILING VERSUS VISIBILITY

93114 STATION

SANTA ANA, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG

22 HOURS (1 S.T.)

| | | -1 | - | - | 1 | 0 | 0 | 0 | 0 | - | ~ | - | 1 | - | 3 | 3 | 0 | 6 | 8 | 8 | 0 | 0 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
|----------------------------|----------|------------|-----|-----|-------|----|-------|----|--------|-----|------|-----|------|-----|------|-----|------|-----|------|----|------|-----|------|------|-----|------|--------------|-----|-------|------|----|-------|
| | ٨١ | 9 9 | • | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | : | - | : | 3. | 5 | 3 | : | 2. | • | - | 6 | 0 | 0 | 0 | | 0 | • | 00 |
| | | | - | - | - | œ | 2 | 00 | | | | | 0 | | 00 | 00 | 80 | œ | 00 | 00 | | | | | 0 | 0 | | 0 | 0 | | | 00 |
| | 2 | -1 | - | - | - | 0 | 0 | 0 | 0 | - | | - | | | 3 | 4 | 6 | 0 | 8 | | 0 | 6. | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| | Al | 80 | 2 | 9 | 18 | 80 | | 9 | 80 | 30 | 30 | 80 | 30 | | 3 | | | | 3 | 5 | ~ | N | 0 | - | 66 | 00 | 00 | 00 | 8 | 00 | 0 | 20 |
| | | | | | - | - | 0 | - | | _ | - | _ | ~ | _ | 8 | _ | 6 | _ | 60 | ~ | ~ | _ | 8 | _ | | - | ŏ | 010 | - | - | Ä | 22 |
| | 5/16 | • | • | | | | | | 0 | • | | • | | | | • | • | • | • | • | ĕ | | | \$ | 4. | 0 | | | 0 | | | 000 |
| | AI | 78 | 2 | 2 | 78 | 80 | 80 | 80 | 80 | 80 | | 80 | 8 | 80 | | 0 | 8 | | | 85 | | 8 | 96 | 4 | 66 | 00 | 00 | 00 | 0 | CO | 00 | 000 |
| | | | - | - | - | 0 | 0 | 0 | 0 | - | ~ | - | ~ | - | m | m | | 0 | | 80 | | 0 | | 3 | 4 | 0 | 6 | 0 | 6 | 0 | 5 | 00 |
| | 21 | 20 a | 3 | 0 | 8 | 0 | 80. | 0 | 0 | 0 | 80. | 0 | 0 | 0 | - | - | - | 3. | 2 | 5 | 91. | 2 | | | 6 | 0 | 00 | 0 | 00 | 00 | 0 | 00 |
| | | | - | - | - | 80 | 00 | 80 | œ | 80 | 00 | 80 | 8 | 8 | 00 | 80 | 00 | 8 | 00 | æ | 0 | 0 | 0 | 6 | 0 | 01 | 2 | 0 | 20 | 0 | 9 | 20 |
| | * | | | | | 0 | 0 | 0 | 0 | | 1. | | | | 3 | | 6 | 6. | 8 | | 0. | 6. | 8 | 4 | * | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| | AI | 8 | | 3 | 00 | 80 | | 80 | C | 80 | 80 | | 80 | | 87 | | 81 | 83 | | | | 36 | 96 | | 66 | 00 | 00 | 8 | 00 | | 8 | 88 |
| | | -1 | - | _ | ~ | _ | | 0 | 0 | | ~ | _ | ~ | _ | m | _ | 0 | | 00 | 00 | 0 | | 8 | 5 | * | - | 0 | - | - | 10 | - | 55 |
| | * | • | • | | • | | | | | • | 0 | : | 0 | 0 | | | : | | • | • | • | • | .0 | | • | 0 | 0 | | | | • | |
| | Al | 8 6 | | ~ | 18 | 8 | ä | | 8 | 8 | 8 | 8 | ĕ | 8 | 00 | | | 00 | | | | 6 | | 0 | 6 | ö | | 00 | 00 | | | 88 |
| | | -1 | - | - | ~ | 0 | 0 | 0 | 0 | - | ~ | - | ~ | - | | 201 | 0 | 0 | 8 | 80 | 0 | 0 | • | | 4 | 0 | 0 | 0 | 6 | 0 | 0 | 00 |
| | AI | ® 6 | 0 | | 0 | 0 | ċ | c | 0 | ċ | ċ | o | ċ | o | - | - | - | | 10 | | - | 2 | | | ö | 0 | ċ | | ċ | | o | 00 |
| ES | | - | | _ | - | 8 | 00 | æ | œ | 00 | 20 | ග | | _ | 20 | 20 | 20 | œ | 80 | 8 | 0 | 2 | 0 | 0 | 3 | 0 | 2 | 10 | 0 | 0 | 2 | 00 |
| ¥ | 1.72 | | - | - | - | * | 4. | 4. | * | | 0 | | 0 | | | | 4 | 2 | 2 | .2 | .3 | | - | 00 | - | 3. | 4 | * | 4 | 3 | 3 | 4 4 |
| 2 | VI. | 10 | 0 | 2 | 18 | 13 | 19 | 2 | 19 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 81 | 83 | 85 | 85 | 06 | 26 | 96 | 96 | 98 | | 66 | 66 | 66 | 66 | | 000 |
| VISIBILITY (STATUTE MILES) | | * . | -1 | _ | - | 4 | * | 7 | * | _ | 0 | 0 | 0 | _ | ~ | _ | 10 | N | | | 0 | 3 | - | 00 | - | 3 | * | 4 | 4 | | * | * * |
| 1 | 7. | - 0 | : | | | 6 | 6 | | | | • | 0 | • | | | 0 | - | 3. | | 5 | • | 2 | • | | | 6 | 6 | | | | | |
| 13181 | AI | - 1 | - | - | 7 | - | 1 | - | - | Œ | 20 | æ | 00 | 80 | œ | 30 | 30 | | 100 | | 0 | 0 | ō | | 0 | c | 0 | 0 | 0 | | 0 | 00 |
| VIS | | 4. | -0 | - | ~ | 4 | * | * | 4 | 0 | 0 | 0 | 0 | 0 | | - | 3 | 2 | N | N | - | 3 | - | 03 | - | 49 . | 4 | 4 | 4 | 4 | 4 | * * |
| | AI | 1 | 0 | | 78 | 6/ | 6 | 6 | 19 | 0 | 80 | 0 | 0 | | 30 | 0 | 8 | 3 | | 3 | 0 | 92 | | 96 | | 60 | 00 | 66 | 66 | | | 66 |
| | - | 3 - | - | _ | _ | 4 | | 4 | * | _ | 0 | _ | 0 | 0 | | _ | 3 | _ | 2 | _ | 9 | - | | 80 | _ | 3 | | • | • | * | | |
| | 2% | • | | • | | | | | | | • | | | 0 | • | | • | | • | | | • | | • | • | | | | | • | • | |
| | ΛI | 100 | - | 100 | 1 | 61 | 2 | - | 52 | | 8 | | 80 | | | | 2 | | 30 | | 5 | 92 | 96 | 96 | 0 | 66 | 9 | 5 | 6 | 66 | 2 | 2 % |
| | | 4 - | - | - | ~ | 3 | * | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | S | 2 | 1 | 0 | • | 2 | 4 | - | - | -4 | - | - | - | |
| | M AI | 2.0 | 0 | 78. | 78. | 6 | 6 | | 6 | 0 | ò | ò | 80. | 80. | ò | 0 | 80. | 2 | | 4 | 6 | - | 'n | | - | 00 | 8 | 3 | 8 | | | 00 00 |
| | | | 1 | | _ | | ~ | | | | | _ | | 30 | | 0 | | _ | | 60 | | 6 | | 6 | | 6 | 2 | 6 | • | 6 | 0 | 00 |
| | - | | | * | 4. | | | | | | 4. | 3. | 4 | | 4 | | 0 | | 0, | | 0 | | | • | 5 | - | - | | - | | • | |
| | Al | 15 | | - | 7 | 2 | 7 | 78 | 18 | 5 | 5 | 13 | 10 | 10 | 13 | 19 | 80 | | 83 | | 90 | 6 | 36 | 36 | 200 | 96 | 96 | 96 | 96 | 96 | 6 | 90 |
| | | 00 | v | v | N | S | n | 2 | 3 | - | - | - | - | - | | - | 00 | - | ~ | - | | | 1 | - | 0 | 9 | 9 | 9 | 0 | 0 | 0 | 00 |
| | N AI | E 4 | : | ; | | 5 | 5 | 3 | 3 | 10. | 76. | 16. | ; | 16. | 76. | | 76. | 8 | 0 | 0 | 50 | 9 | 6 | 6 | | | | | - | - | - | |
| | ^' | 5, | - | - | - | - | ~ | - | - | - | - | - | - | - | | | | 1 | | 1 | 00 | œ | 00 | œ | 0 | 6 | 9 | 6 | O | 0 | 0 | 00 |
| | • | 4 | | | | | - | - | 1. | .3 | | | | | | | 0 | 6. | 8 | œ | 4. | | 6. | 3.9 | 2 | 30 | | 2 | 4.5 | | | 5.50 |
| | AI | 6.9 | - | 20 | 00 | 60 | 65 | 65 | 65 | 0 | 70. | 0 | 02 | 0 | 10 | 0 | 71.0 | 12 | 41 | 3 | 79.4 | 80 | 3 | 83 | * | 3.4 | 84.5 | 84 | 48 | \$ 8 | 7 | 4 4 |
| | | 1 | | | | | | 1 | | | | | | | | _ | | _ | | | ~ | ~ | | | | | | | | | | 22 |
| | 2 | 4.5 | - | : | : | • | : | : | : | • | : | • | : | • | * | • | 4.5 | | | | | | | | | | | | | 2 | | |
| | Al | 1 | - | • | 4 | - | 4 | - | 4 | - | • | 1 | 3 | - | • | - | 4 | | -1 | - | -1 | - | 43 | 20.5 | 0.1 | 3.5 | -1 | - | -1 | | - | 2 |
| | | 0 | 1 | - | | - | | - | | | | | _ | - | | | _ | - | | - | _ | - | | | | - | _ | - | | - | | |
| CEILING | £ | NO CEILING | 3 | 8 | 16000 | 00 | 12000 | 00 | 8 | 00 | 2000 | 00 | 2000 | 200 | 4000 | 905 | 3000 | 200 | 2000 | 80 | 1500 | 200 | 1000 | 8 | 8 | 700 | 8 | 8 | 8 | 8 | 8 | 80 |
| CEIL | E | 0 | 307 | | 41 | | 12 | | 1 11 | | IAI | 1 | 1 11 | | 1 1 | 1 | 1 11 | 1 | 1 | 1 | 1 1 | | 1 1 | | A | 1 | 1 1 | | 1 1 1 | AI | AI | ALAI |
| | | ž | " | _ | | | | | - / (1 | Ľ | | Ľ | | L | | | | | | L | | | | | | L | | | | | | |

0

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

155

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

ALL MOUSE (1.5.T.)

-

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | | | | | | | | | | |
|------------|-----|---------|------|------|------|------|------|-------|------|--------|----------|------|---------|--------|------|-----|
| (FEET) | 2 | ٥ ٨١ | 5 1 | 1 | 21 | 2 2% | 12.2 | V 1%) | 7 1% | - - | .× 11 | * | Z Al | 2 5/16 | AI N | ٨١ |
| NO CEILING | 5.7 | 8.64 | | 59.3 | 63.6 | 50 | 66.1 | 9 | | 9 | 6 | 9 | 66.7 | 66.7 | 8.99 | 0 |
| 2 20000 | | | | 0 | ; | 5 | | 67.3 | 67.3 | 67.5 | 67.5 | - | 67.6 | | 67. | |
| 1 | | | | 0 | 4.49 | 3 | | | 67.3 | 7. | 67.5 | | | | 67. | 0 |
| 14000 | | | 55.6 | 60.2 | 64.4 | 66.0 | 67.0 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | | | | 0 |
| | | | | 0 | 94.9 | 0 | | | 67.7 | 1. | 6.19 | - | | | - | |
| 12000 | | | | - | 65.5 | | 68.1 | 68.5 | 68.5 | 68.6 | 68.6 | | | | 68. | 68. |
| | | | | - | 9 | - | | | | 6 | | 6 | | | 69 | 69 |
| 900 | 5.8 | 52.0 | 57.2 | | 66.3 | | 00 | 6.69 | 69.3 | 4.69 | 4.69 | 4.69 | 69.5 | 69.5 | _ | 69 |
| 1 | | | | 2 | 0 | 00 | | | | 5 | 68.69 | 6 | | | 10. | 20 |
| 141 | | | | 8 | 6.99 | 8 | 6 | | | 0 | 70.1 | 70.1 | | | 70. | 70. |
| 1 | | | | 2. | 0 | 03 | | | | 0 | 0 | | | | 10. | 0 |
| 2000 | | | | 2 | 9 | 90 | | | | 0 | | | | | 70. | 70. |
| | | | | | | | | | 10.0 | 0 | | | 10.3 | | 10. | 70. |
| 900 | | | | 2 | 67.2 | 003 | | | | 0 | | | | | 70. | 70. |
| | | | 58.4 | - | - | 6 | | | | 0 | | | | | 7 | |
| 300 | | | | * | 68.7 | 70.5 | - | | | 2 | 2 | | 72.3 | | _ | - |
| | | | | 5 | 6.69 | - | | | | 3. | | | | | 73. | - |
| 5000 | | | | 00 | 2 | * | 75.5 | 5 | | | .9 | | | | 76. | |
| 1 | | | | 8 | | | | 9 | 76.3 | | | | 70.6 | | 76. | - |
| 1800 | | | 67.8 | 3 | | 0 | | 91.4 | 81.4 | - | | | | | 82. | 00 |
| 1 | | | | 4. | | N | | 3. | | 3 | | | 84.4 | | 84. | 00 |
| 8 | • | | | 007 | | • | 88.6 | | 89.5 | | • | 89.6 | 89.8 | | 89. | |
| 1 | | | | 6 | 85.7 | | 0 | - | | | - | | | 92.0 | 92. | 6 |
| 8 | | | | ò | | 6 | • | 3 | 93.2 | 3 | | 93.6 | 93.8 | | 94. | 0 |
| | | | | 0 | 87.1 | 0 | 6 | 0.46 | | * | ; | | | | | 96 |
| 8 | | | | 80.8 | 38.5 | - | 93.8 | 95.1 | 95.1 | 5 | | 95.7 | 95.8 | - | 96.0 | 96 |
| 1 | | | | - | 89.3 | | 3 | 96.5 | | | - | - | 91.6 | | | 97. |
| 1 4 | | | | 81.5 | 89.4 | 2 | 95.3 | • | 6.96 | | | - | 8 | 8 | 0 | 98. |
| 1 | | | | : | | 2 | | 97.5 | | | 8 | - | 8 | 80 | 98. | - |
| 141 | 7.0 | 6.99 | 74.6 | 81.7 | | 93.0 | 5 | | 7 | 98.5 | 98.6 | 98.6 | 0.66 | 0.66 | | 66 |
| 8 | 0.1 | | | 81. | 89.7 | 3 | 95.8 | 97.7 | 47.7 | 98.5 | 98.6 | 9886 | 0.66 | | 6 | 66 |
| | | | | - | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

54.0

0.

54.0

0 0

54.0

0

54.0

0

52.7

2.7

52.0

.3 2.0

51.3

.3

٨١

51.3 51.3

.3

55.3

.3

55.3

55.3 57.3 68.0 69.3

60.7

7.3

79.3

9.3

0.46

82.7

2.7

0.96

0.9

0.96 98.0 0.86

0.0

98.0 0.86

0.86 98.0 86.66

97.3 98.0 98.0 98.0 98.0

97.3 98.0 98.0 66.3 66.3

61.3

69.3

96.7 97.3

84.7

7.86

98.7

0.86 1.96

66.3

68.7

96.7 96.1

0.96 0.96 0.96

84.7 84.7

81.3

3.3

88

AI AI

81.3 81.3

0.96

81.3

72.7 72.7 72.7 72.7

3.3

88

81.3

72.7

88

AI AI

0.86

99.3

55.3

2.3 5.3

24.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

HOURS (L S T. 0

SEP

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| (2 | | | | | | | VIS | IBILITY (ST | VISIBILITY (STATUTE MILES) | ES) | | | | | |
|----|-----|---------|------|------|---------|------|------|-------------|----------------------------|---------|---------|---------|------|--------|----|
| | 5 | ۰ ۸۱ | N AI | AI | ε Al | Y 2% | 7 | VI Z | VI % | - AI | % Al | ∦ Al | 22 | ≥ 5/16 | ΛI |
| 9 | 2.7 | 40.7 | 43.3 | 45.3 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 6 | 49.3 | 6.64 | 6.64 | 49.3 | 4 |
| | 2.7 | 42.0 | 47.3 | 47.3 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 2 |
| | 2.7 | | 47.3 | 47.3 | 50.7 | 20.1 | 50.7 | 50.7 | 50.7 | - | | 51.3 | 51.3 | 51.3 | 5 |
| | 2.7 | 42.0 | 47.3 | 47.3 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 2 |
| - | 2.7 | 42.7 | 48.0 | 0.84 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 25 |
| | 2.7 | 43.3 | 48.7 | 48.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52 |
| | 2.7 | 44.7 | | 50.0 | 53.3 | 53.3 | | 53.3 | | 4 | 24.0 | 24.0 | | 54.0 | 54 |
| | 2.7 | 44.7 | 50. | 50.0 | 53.3 | 53,3 | 53.3 | 53.3 | 53.3 | 54.0 | 24.0 | 24.0 | 24.0 | 24.0 | 34 |
| | 2.7 | 44.7 | 20 | 50.0 | 53 | 53.3 | | 53,3 | | 4 | 24.0 | | | 54.0 | 54 |
| _ | 2.7 | 44.7 | 20 | 50.0 | 53.3 | 53.3 | 53.3 | 53.3 | - | 24.0 | 24.0 | 24.0 | 24.0 | 54.0 | |
| | 2.7 | 44.7 | 50. | 50.0 | 53 | 3 | 50 | 3 | | 4 | 94.0 | 24.0 | | 4 | - |
| | 2.7 | 46.0 | 51.3 | 51.3 | 5 | 54.7 | 54.7 | 3 | 54. | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | |
| | | 46.0 | 3 | | 54.7 | 3 | 3 | 54 | 54. | 1 | 55.3 | 55.3 | | 55.3 | |
| | 2.7 | 46.0 | 5 | 51.3 | 54.7 | 54.7 | 4 | 3 | 54. | 55.3 | 55.3 | 55.3 | | 55.3 | |
| | 2.7 | 46.0 | 3 | a | | 54.1 | 3 | 54 | 54. | 55.3 | 55.3 | 55.3 | | 55.3 | 1 |
| _ | 2.7 | 48.0 | 53.3 | 53.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 57.3 | 57.3 | 57.3 | | 57.3 | |
| - | 2.7 | 20.0 | 36 | 55 | 0.09 | 0 | | | | 1.09 | 1.09 | 60.7 | | 60. | 1 |
| | 2.7 | 55.3 | 9 | 61.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 | 0.89 | 68.0 | 68.0 | |
| | 2.7 | 56.7 | 62 | 62 | 8 | 00 | | œ | 68. | 69.3 | | 69.3 | | 69.3 | |
| | 3.3 | 65.3 | 71.3 | | 78.0 | 76.0 | 00 | 78.1 | 2 | 19.3 | | 79.3 | | 79.3 | |
| - | | 1.99 | 74.0 | 74.7 | 8 | 61.3 | 61.3 | 82 | | 82.7 | | 82.7 | | 82.7 | 82 |
| | 3.3 | 70.7 | 79.3 | 82.0 | 91 | 91.3 | 92.7 | 63.3 | 3. | 0.46 | | 0.46 | | 94.0 | 6 |
| | 3.3 | 71.3 | 80.0 | 83.3 | 63.3 | 93.3 | 1.96 | 95.3 | | | | 0.96 | | 96.0 | _ |
| | 3.3 | 71.3 | 80.0 | 83.3 | 63.3 | 63.3 | 7.96 | 65.3 | | 0.96 | 0.96 | 0.96 | | 96.0 | |
| - | 3.3 | - | 81.3 | 84.7 | 98.3 | 95.3 | 2.96 | 97.3 | 97.3 | | | 98.0 | 98.0 | 98.0 | 86 |
| | | 1 | | | | | | | | | | | | | (|

TOTAL NUMBER OF OBSERVATIONS

150

501

99.3 99.3

99.3 99.3100.0100.0100.0100.0100.0100.0100.0

66.3

7.86 486 7.86

1.96

84.7

72.7

80

96.

SOWS DIRNAVOCEANMET

93114

(FEET)

¥ 20000 VI VI 00091 00091

NO CEILIN

12000

8000 7000

800

AI AI

9000

4500

AI AI

3000

AI AI

2000

ALAL

8 6

AI AI

98

11 11

88

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 HOURS (1 S T) SEP

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MILE | (S) | | | | | | |
|------------|-----|------|----------|------|---------|------|---------|----------------------------|------------|---------|---------|------|---------|--------|------|------|
| (166) | 0 1 | 9 | s; Al | 4 | e Al | ≥ 2% | 7 Al | V1 V | VI 71 | - AI | % Al | * | Z Al | 2 5/16 | × Al | ٨١ |
| NO CEILING | 2.0 | 27.3 | | 32.0 | | 5 | 35.3 | 5 | 5 | 5 | | 3. | 35.3 | 5 | | 30.0 |
| ≥ 20000 | 2.0 | 27.3 | | 32.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | • | 36.0 | 36.0 | 36.0 | | 36.0 | 36.7 |
| × 18000 | 2.0 | 27.3 | 6 | 32.0 | | | | | 0 | 0 | 36.0 | . 9 | 36.0 | 0 | | 36.7 |
| 2 16000 | 2.0 | 27.3 | | 32.0 | 36.0 | 0 | 36.0 | | 36.0 | | • | • | 36.0 | 9 | | 36.7 |
| | 2.0 | 28.0 | 0 | 32.7 | - | | | | | | 37.3 | | 37.3 | | | 38.0 |
| 12000 | 2.0 | 28.0 | 30.0 | 32.7 | 37.3 | - | - | - | 37.3 | - | | | 37.3 | - | 37.3 | 38.0 |
| 1 | 2.0 | 29.3 | - | | 38.7 | 00 | | | 36.7 | 8 | 38.7 | 8 | | 8 | | 39.3 |
| 900 | 2.0 | 29.3 | 31.3 | 34.0 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | | 38.7 | 38.7 | 38.7 | 39.3 |
| 1 | 2.0 | 29.3 | 31.3 | 34.0 | 38.7 | | | 8 | 38.7 | | 38.1 | 8 | | 38.7 | 38.7 | |
| 141 | 2.0 | 29.3 | 31.3 | 34.0 | 38.7 | 38.7 | 38.7 | 8 | 38.7 | | 38.7 | 38.7 | 38.7 | 38.7 | | 39.3 |
| 1 | 2.0 | 29.3 | 31.3 | 4 | | 38. | | | | | | 8 | | 38.7 | | |
| 9005 | 2.0 | 29.3 | | 34.7 | 39.3 | 6 | 39.3 | 6 | | 39.3 | 39.3 | | 39.3 | 6 | • | |
| 1 | 2.0 | 30.0 | N | 3. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | |
| 1 1 | 2.0 | 30.7 | 32.7 | 36.0 | 40.7 | 0 | 40.7 | 0 | 40.7 | 0 | 40.7 | 40.7 | | 40.1 | | 41.3 |
| | 2.0 | 31.3 | | | | - | | L | - | - | | | | 1 | - | 42.0 |
| 3000 | 2.0 | 32.7 | | 38.0 | | 2. | | 2 | 2 | 2 | | 42.7 | | 42.7 | | 43.3 |
| 1 | 2.0 | 34.7 | 0 | 0 | | 5 | | | 45.3 | 45.3 | 5 | - | | - | | 46.0 |
| 141 | 2.0 | 40.7 | | 47.3 | 54.0 | 54.0 | 54.0 | 24.0 | 24.0 | | 54.0 | 24.0 | 94.0 | 24.0 | 24.0 | 54.7 |
| | 2.0 | 41.3 | 3 | 48.7 | 5 | 5 | | 5 | 55.3 | 55.3 | | 5 | | 5 | | 56.0 |
| 981 | 2.0 | 20.1 | 55.3 | 59.3 | 0.99 | • | 66.7 | | 66.7 | 66.7 | | 1.99 | 66.7 | 1.99 | 1.99 | 67.3 |
| 1 | 2.0 | 54.7 | 0 | 0.49 | | - | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.3 |
| 141 | 2.0 | 58.0 | 0.40 | 69.3 | 19.3 | | 81.3 | 81.3 | 81.3 | | 81.3 | 81.3 | 81.3 | | 81.3 | 82.0 |
| | 2.0 | 59.3 | 1.99 | 72.0 | 82.0 | 2. | 84.7 | 24.7 | 3 | 84.7 | 84.7 | | | 84.7 | 84.7 | 85.3 |
| 8 | 2.0 | 59.3 | 1.99 | 73.3 | 84.0 | 84.7 | 87.3 | | 87.3 | | 87.3 | | 87.3 | | | 88.0 |
| | 2.0 | 0.09 | 61.3 | 0.47 | 85.3 | | 89.3 | 89.3 | | | 89.3 | 6 | | 89.3 | | 0.06 |
| 8 | 5.0 | 0.09 | 0.89 | 74.7 | 86.0 | 86.7 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 90.7 |
| | 7.0 | 60.7 | 69.3 | 0.91 | 98.0 | 68. | 92.0 | 1.76 | | 2 | 1.76 | | 7.26 | 2 | 92.7 | 93.3 |
| 141 | 2.0 | 4.09 | 69.3 | 76.0 | 88.7 | 69.3 | 92.7 | 93.3 | 93.3 | | 93.3 | 63.3 | 93.3 | 93.3 | 93.3 | 0.46 |
| | 2.0 | 2009 | | 0.01 | 88.7 | | 93.3 | 1.76 | | 1.76 | 1.96 | 1006 | 95.3 | 95.3 | 62.3 | 0.96 |
| 38 | 2.0 | 4.09 | | 16.0 | 88.7 | 89.3 | 63.3 | 1.46 | 1.76 | 95.3 | 65.3 | 65.3 | 100 | 97.3 | 97.3 | 98.7 |
| | 2.0 | 2009 | 69.3 | 76.0 | 38.7 | 69.3 | 93.3 | 1.96 | 1.76 | 6.56 | 62.3 | 82.3 | 1006 | 97.3 | 97.3 | 98.7 |
| 111 | 2.0 | 60.7 | 69.3 | 16.0 | 88.7 | 89.3 | 93.3 | 4.7 | 4.7 | 95.3 | 65.3 | 95.3 | 96.7 | 97.3 | 97.3 | 000 |

TOTAL NUMBER OF OBSERVATIONS

150

0 0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-

3-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

701

SEP 2011

| CEILING | | | | | | | VISIL | VISIBILITY (STA | (STATUTE MILES) | S | | | | | | |
|---|-----|------|------|------|------|------|-------|-----------------|-----------------|------|---------|---------|------|------------|------|-------|
| (FEET) | 2 | 9 11 | 8 | 7 | 21 | 2 2% | 1 N | N 1% | ¥1 VI | - | % Al | # Al | × Al | ≥ 5/16 | × Al | 0 1 |
| NO CEILING | | 18 | 20.0 | | 23.3 | 24.0 | | 26.7 | 27.3 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.7 | |
| 7000 | • | | : | | 1 | 1 3 | 0 | | | 0 0 | 00 | 100 | 100 | 200 | | 0 |
| 1 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 3 6 | 19.3 | 20.7 | 21.3 | 4 | 24.7 | 9 | 27.3 | | 80 | 00 | | 28.7 | 28.7 | 29.3 | 30.0 |
| | | 19 | : | | 3 | 3 | 9 | | | | 100 | | | | | 0 |
| > 12000 | | 20. | .: | | 2 | 0 | - | | | 0 | 0 | 0 | 0 | 0 | | - |
| 2 10000 | 0.4 | 21. | 22.7 | 23.3 | 0 | - | | | : | : | - | ÷. | · . | : . | • | 2 5 |
| | • | 21. | 22.1 | 100 | 0 | - | | | 0 | - | - | - | - | 4 | • | V |
| 0008 4 | 0. | 21: | | | 00 | - 0 | | | | - | - | | : | - | | • |
| 1 | • | 22. | : | 24.0 | O | (C) | å | • | 3 | 2 . | AL | 36 | 3 | 36 | | : |
| 000 | 000 | 22 | : - | | 0 4 | 0 00 | | | : . | | 20 | 3 | 10 | | | |
| 1 | • • | 22. | : | | 100 | 1 | 0 | | | 3 | m | 3 | 3 | | | : |
| 1 A I | 4.0 | 24. | | 26.0 | 0 | 0 | 2 | | : | ; | | ; | | * | | |
| 1 | | 25. | : | | - | N | 100 | | 1 | | 0 | | . 9 | 9 | | |
| 3000 | | 26. | : | 28.0 | N | 3 | ; | | | | - | - | 7. | - | | 8 |
| 1 | | 27. | | (D) | 3 | 5 | 9 | | | 0 | C | 0 | 0 | 0 | | : |
| 7 2000 | | 34. | | 36.7 | - | 10 | ; | | | | 30 | 8 | 0 | 8 | | 6 |
| | | 35. | | | N | 4 | 0 | | 122 | 6 | 0 | 6 | 6 | 6 | • | 0 |
| 1500 | • | .0 | : | 0 | 3 | 0 | 00 | | - | 2 | N | 2 | 2 | 2 | | |
| 1200 | | | | • | 0 | No | | | | 0 | 0 | 00 | 00 | 0 | | ; - |
| - | | 0 | | | r in | 10.0 | | | . 0 | 0 | 3 (| 2 | N | 5 | | 84.0 |
| 88 | | 44.7 | | | in | 0 | | | : | | 4 | 3 | ; | * | | ; |
| | | 44.7 | - | | 0 | 0 | 80 | | - | 9 | 0 | | 0 | 9 | | |
| 8 | | 44.7 | 48.7 | | 0 | 0 | | | • | 6 | 0 | 6 | 0 | 6 | | 0 |
| | | 44.7 | - | 53.3 | 9 | 100 | 8 | 84.7 | : | 2. | N | 2 | 2 | 5 | | 0.46 |
| 2 400 | | 44.7 | 48.7 | 53.3 | 0 | 0 | 00 | 84.7 | 0 | N | N | 2 | | 3 | | 95.3 |
| 88 | 5.3 | 44.7 | 48.7 | 53.3 | 0 | 10. | 00 | 84.7 | | 2 . | NO | 72.1 | 3 4 | | • | 90.7 |
| | 5.6 | | | 23.0 | 0 | | 0 | - | : | : | 40 | , | 1 | J B | | 000 |
| 8 | | | 100 | | 0 4 | 1 | • | . 40 | • | | 02.7 | 02.7 | 04.7 | | 06.7 | 00.00 |
| 1 | 2.5 | | - | |) | | •) | | | 3 | | | | 1 | | 2 |

130

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

73-77

(FROM HOURLY OBSERVATIONS)

10 SEP

TOTAL NUMBER OF OBSERVATIONS

150

-

SOMS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

13 HOURS (1 \$ 7) SEP

2

| CEILING (FEET) | | | | | | | | VISIBILITY (STATUTE MILES) | ATUTE MIL | _ | | | | | | |
|-------------------|-----|------|------|-------|------|-------|-------|----------------------------|-----------|---------|---------|--------|---------|--------|--------|---------|
| | 5 | 9 11 | 2 4 | 4 | E AI | > 2% | 7 | Y 1% | ¥1 %1 | <u></u> | % AI | * | Z Al | 2 5/16 | NI N | 0 Al |
| NO CEILING | | 47.3 | 55.3 | 60.7 | 67.3 | 0.01 | 1001 | 72.0 | 72.0 | | 72.0 | 12.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 20000 | 7.3 | • | 26.0 | 61.3 | 68.7 | 71.3 | 72.0 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| | | | 56.7 | 62.0 | 69.3 | 72.0 | 72.7 | 74.0 | 74.0 | 74.0 | 0.4 | 14.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 2 16000 | 7.3 | 48.7 | 56.7 | 62.0 | 69.3 | 72.0 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| | 7.3 | | 56.7 | 62.0 | 69.3 | 72.0 | 72.7 | 74.0 | 14.0 | 74.0 | | 14.0 | 74.0 | | 74.0 | 74.0 |
| > 12000 | 7.3 | 6.64 | 57.3 | 63.3 | 70.7 | 73.3 | 74.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| | 7.3 | 50.0 | 58.0 | 0. 99 | 71.3 | 74.0 | 74.7 | 76.0 | 76.0 | 76.0 | 16.0 | 16.0 | 16.0 | 76.0 | 76.0 | 76.0 |
| 0006 | 7.3 | 20.0 | 58.0 | 0.49 | 71.3 | 74.0 | 74.7 | 76.0 | • | 76.0 | 76.0 | 16.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| | 7.3 | 50.0 | 58.7 | 04.7 | 72.0 | 14.7 | 73.3 | 76.7 | 76.7 | 76.7 | 7001 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 7000 | 7.3 | 20.0 | 58.7 | 2. 79 | 72.7 | 75.3 | 76.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 1 | 7.3 | 50.0 | 58.7 | 64.7 | 72.7 | 15.3 | 76.0 | 77.3 | 77.3 | 77.3 | 77.3 | 17.3 | 17.3 | 77.3 | 77.3 | 77.3 |
| 2000 | 7.3 | 50.0 | 58.7 | 64.7 | 72.7 | 75.3 | 76.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 1 | 7.3 | 50.0 | 58.7 | 1.79 | 72.7 | 15.3 | | 77.3 | 77.3 | 77.3 | 77.3 | 17.3 | 17.3 | 77.3 | 77.3 | 77.3 |
| 000 | 7.3 | 20.1 | 59.3 | 65.3 | 73.3 | 76.0 | 76.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| | 7.3 | 52.7 | 61.3 | 67.3 | 75.3 | 0.87 | 78.7 | 80.0 | 80.0 | 0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 3000 | | | 65.3 | 71.3 | 80.7 | 83.3 | 0.48 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 1 | 7.3 | 58.0 | 66.7 | 72.7 | 82.0 | 1. 49 | 86.0 | 87.3 | 87.3 | 67.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 7 2000 | 7.3 | | 69.3 | 76.0 | 86.0 | 88 | 0.06 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 1 | 7.3 | 59.3 | 69.3 | 0.91 | 86.7 | 66.9 | 1.06 | 0.26 | 92.0 | 92.0 | 92.0 | 0.76 | 92.0 | 92.0 | 92.0 | 92.0 |
| 1300 | 7.3 | 62.7 | 73.3 | 80.0 | 7.06 | 93.3 | 64.7 | 0.96 | • | | 0.96 | 0.96 | 96.0 | 96.0 | 0.96 | 96.0 |
| | 7.3 | 62.7 | 73.3 | 90.0 | 40.1 | 63.3 | 95.3 | 1.96 | 1.96 | 96.7 | 1.96 | 1.96 | 96.7 | 96.7 | 96.7 | 96.7 |
| 00 | 7.3 | 63.3 | 74.0 | 80.7 | 92.0 | 1.76 | 98.0 | 66.3 | 86.66 | 66.3 | 66.3 | 86.66 | 99.3 | 86.3 | 66.66 | 99.3 |
| | 1.3 | | 74.0 | 80.7 | 92.0 | 1.76 | 0.86 | 66.3 | 66.3 | 66.3 | 66.3 | 99.3 | 99.3 | 86.3 | 66.3 | 99.3 |
| 80 | 7.3 | 63.3 | 74.0 | 80.7 | 92.0 | 2.76 | 98.0 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 99.3 | 99.3 | 8.66 | 99.3 |
| | 7.3 | | 74.0 | 80.7 | | 1.76 | 0.86 | 66.3 | 66.3 | 66.66 | 66.3 | 66.3 | 99.3 | 66.3 | 66.66 | 99.3 |
| 9 | 7.3 | 63.3 | 74.0 | 60.7 | 95.0 | 95.3 | 98.7 | 100.001 | 00.00 | 10000 | 100.001 | 100.00 | 100.0 | 100.0 | 100.00 | 100.0 |
| | 7.3 | 63.3 | 0.4 | 80.7 | 92.0 | 95.3 | 98.71 | 100.001 | 00.00 | 0.00 | 00.00 | 00.00 | 0000 | 100.0 | 00001 | 0000 |
| 8 | 7.3 | 23 | 74.0 | 80.7 | 0.26 | 95.3 | 98.71 | 10.001 | 00.00 | 00001 | 100.001 | 100.00 | 100.0 | 100.0 | 100.0 | 100.0 |
| | 7.3 | 63.3 | 14.0 | 80.7 | 0.76 | 98.3 | 98.71 | 100.00 | 00.00 | 0.001 | 00.00 | 0000 | 0.001 | 100.0 | 0.001 | 0.001 |
| 141 | 7.3 | 6 | 74.0 | 80.7 | 95.0 | 95.3 | 98.71 | 100.00 | 00.00 | 0000 | 100.00 | 100.00 | 100.0 | 100.0 | 100.0 | 0.001 |
| | | 63.3 | 14.0 | 80.7 | | | 1.86 | 00.00 | 00.00 | 0.00 | 00.00 | 0.00 | 0000 | 100.0 | 0.001 | 0.001 |
| ٨١ | 7.3 | | 14.0 | 80.7 | 95.0 | 95.3 | 98.71 | 00.00 | 00.00 | 0.00 | 0.00 | 0.00 | 0000 | 100.0 | 0.001 | 0001 |

150

TOTAL NUMBER OF OBSERVATIONS

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93114

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 SEP

| CEILING | | | | | | | | | | | | | | | | |
|------------|----------|------|----------|------|------|-------|-------|--------|---------|---------|--------|-------|-------|--------|---------|-----|
| (FEET) | V1 01 | ٨١ | S | 4 | N N | 2 2% | 7 1 | ٧١ ٧٧ | 71 | - AI | % M | * | % AI | 2 5/16 | VI N | ٨١ |
| NO CEILING | 4 | 58.7 | | 10.0 | 3 | 13.3 | 14.7 | 74.7 | 14.7 | 74.7 | 14.1 | 14.1 | 14.7 | 14.7 | 7.6.7 | |
| ¥ 20000 | 14.0 | 59.3 | 65.3 | 71.3 | 74.7 | 74.7 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 70.0 | 76.0 | 76.0 | 16. |
| | 14.0 | 0.09 | | 72.0 | 75.3 | 13.3 | 76.7 | 76.7 | 16.7 | 76.7 | 16.1 | 1601 | 16.7 | 16.1 | 76.7 | 76. |
| 14000 | 14.0 | 0.09 | 0.99 | 72.0 | 75.3 | 15.3 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76. |
| | 14.0 | 0.09 | | 72.0 | 75.3 | 15.3 | 16.1 | 76.7 | 16.7 | 76.7 | | 16.7 | 76.7 | 76.1 | | 16. |
| 12000 | 14.0 | 62.0 | 68.0 | 74.0 | | 77.3 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78. |
| | 14.0 | 62.0 | | 74.0 | 17.3 | | | 79.3 | 19.3 | 79.3 | 19.3 | 19.3 | 19.3 | 79.3 | 79.3 | 6 |
| 8 | 14.0 | 0.29 | 68.0 | 74.0 | 77.3 | 78.0 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79. |
| 1 | 14.0 | 63.3 | 69.3 | | 78.7 | 6.61 | 80.7 | | | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80. |
| 7000 | 14.0 | 63.3 | | 75.3 | 78.7 | | | 80.7 | 80.7 | 80.7 | | 80.7 | 80.7 | 80.7 | 80.7 | 80. |
| | 14.0 | 63.3 | | | 18.1 | 6.61 | 80.7 | | | 80.7 | | 40.7 | 80.7 | 80.1 | ô | 80. |
| 200 | 14.0 | 0.40 | 10.0 | 16.0 | 19.3 | | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 87. |
| | 14.7 | 64.7 | 10.1 | 17.3 | 80.7 | 61.3 | | | | 82.7 | 7 | 2 | 7 | N | 82. | 82. |
| 141 | 14.7 | 65.3 | 72.0 | | 82.0 | 82.7 | 84.0 | 84.0 | | | | | ; | 84.0 | 80 | 84. |
| 1 | 14.7 | 0.99 | 72.7 | | 2 | 63.3 | | 84.7 | * | 84.7 | ; | 4 | 84.7 | * | ; | |
| 3000 | 14.7 | 69.3 | 16.0 | 82.7 | 86.0 | | 88.0 | | • | | 88.0 | | | 88.0 | 88.0 | |
| 1 | 14.7 | 10.1 | 17.3 | 0.78 | 87.3 | 0.88 | | 89.3 | | 89.3 | 89.3 | 89.3 | 5 | 89.3 | | 89. |
| 7000 | 14.7 | 74.0 | 80.7 | 88.7 | 1.76 | | 95.3 | 3 | 95.3 | 95.3 | 95.3 | | 2 | 95.3 | 95.3 | 95. |
| 1 | 14.7 | 14.0 | 80.7 | 88.7 | | | 95.3 | 5 | 5 | 65.3 | | - | | 3 | 0 | 95. |
| 200 | 14.7 | 75.3 | 82.0 | 0.06 | 0.46 | 98.3 | | - | - | - | - | | | 97.3 | 97. | |
| | 14.7 | 75.3 | 82.7 | 2006 | 1.56 | 0.96 | * | 0.86 | 8 | 98.0 | 0.86 | 00 | 8 | 98.0 | 98.0 | |
| 000 | 14.7 | 73.3 | 82.7 | 61.3 | 95.3 | 96.7 | 8 | | 98.7 | | 98.7 | 98.7 | | 98.7 | | 98. |
| | 14.7 | 16.0 | 83.3 | 92.0 | 0 | 61.3 | 66.3 | 66.3 | 6 | 66.3 | 66.3 | 66.3 | 99.3 | | | 66 |
| 8 | 14.7 | 76.0 | 83.3 | | 0.96 | 97.3 | 66.3 | | • | 66.3 | 66.3 | 86.3 | | 99.3 | 99.3 | 66 |
| | 14.7 | 76.0 | 83.3 | 0.26 | 0.96 | | | 8.66 | | 666 | 66.3 | 66.3 | | 99.3 | 66.3 | 66 |
| 8 | 14.7 | 76.0 | 83.3 | | 0.96 | 6.26 | 6.66 | 66.3 | 86.3 | | 66.3 | 86.3 | 99.3 | 86.3 | 66.3 | 99. |
| | 14.7 | 16.7 | 0.48 | 45.7 | 1.96 | | 0000 | | 00.00 | 0.001 | 100.0 | 100.0 | | 100 | 100.0 | 100 |
| 8 | 14.7 | 76.7 | 84.0 | 92.7 | 1.96 | œ | | 100.00 | 100.001 | | | • | 0 | 100 | | 100 |
| | 14.7 | 16.7 | 0.48 | | | 98.01 | | | 00.00 | 0.00 | 0.001 | 0.001 | 0 | 100.0 | 0.001 | |
| 700 | 14.7 | 76.7 | 84.0 | 1.26 | 1.96 | 98.01 | 00.00 | 00.00 | • | | 100.0 | 100.0 | 0000 | 100.0 | • | 00 |
| 8 | 14.7 | 76.7 | 0.48 | 92.7 | 1.96 | 78.01 | 00.00 | 00.00 | 00.00 | 0.00 | 100.0 | 0.00 | 0.001 | 100.0 | 100.0 | 00 |
| | 1 . 3 | 1 | 1 | | | | | ֡ | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

150

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114 STATION

0

0

19 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | * | | | | VIS | VISIBILITY (STATUTE MILES) | ATUTE MILI | ES) | | | | | | |
|------------|-----|---------|---------|-------|------|--------|---------|----------------------------|------------|-------|---------|---------|---------|--------|-------|-------|
| (FEET) | V 0 | ۰ ۸۱ | ۸۱ د | AI AI | N AI | Y 21/4 | ۲ ۸۱ | YI % | 7 | Ā | % AI | * Al | Z Al | 2 5/16 | AI | ٨١ |
| NO CEILING | 0.9 | | | 59.3 | 64.7 | 04. | 65.3 | 5 | 5 | 65.3 | 65.3 | 65,3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 20000 | | | | 61.3 | 66.7 | 1.90 | 67.3 | 67.3 | 67.3 | | 67.3 | 67.3 | • | 1. | 67. | 67.3 |
| | | 5 | 59.3 | 61.3 | 66.7 | 66.7 | - | 67.3 | | 67.3 | | 67,3 | 61. | 67.3 | 67.3 | 67.3 |
| 14 16000 | 0.9 | 55.3 | 59.3 | - | 1.99 | 66.7 | 67.3 | ~ | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | - | 67.3 | 67.3 |
| > 14000 | | | 60.7 | 62.7 | 0.89 | 0.39 | 58.7 | 68.7 | 68.7 | 68.7 | 68.7 | | | | 68.7 | 68.7 |
| 12000 | 0.0 | 57.3 | | 63.3 | 68.7 | 68.7 | 69.3 | 6.69 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| | 0.9 | | | 0.79 | 69.3 | 0.01 | 70.7 | 70.7 | 70.7 | 7007 | 70.7 | 70.7 | 70.1 | 70.7 | 70.7 | 70.7 |
| 0006 | 0.9 | 58.0 | | 0.49 | 69.3 | 70.0 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 1 | 0.0 | | | 0.49 | 69.3 | | 7007 | 70.7 | 70.7 | 70.7 | 10.1 | 1001 | 10.1 | 10.1 | 10.1 | 70.7 |
| 1 1 | 0.0 | | 63.3 | 68.3 | 70.7 | 71.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | ~ | 72.0 | 72.0 | 72.0 |
| | | - | 63.3 | 65.3 | 7001 | 11.3 | | | | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 2000 | 0.9 | 0 | | 0.99 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | | 72.7 | 72.7 |
| 1 | | 0 | 0.49 | 66.0 | 71.3 | | 72.7 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 1 11 | 6.0 | 60.7 | 64.7 | 66.7 | 72.0 | 72.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 1 | 0.0 | 62.0 | 0.99 | 0.89 | 73.3 | 14.0 | 74.7 | 74.7 | 74.7 | 74.7 | 14.1 | 14.7 | 74.7 | • | 74.7 | 74.7 |
| 3000 | | 66.7 | 70.7 | 72.7 | 78.0 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| | 0.9 | 6.69 | | 75.3 | 80.7 | - | 32.0 | | 82.0 | 82.0 | 82.0 | 82.0 | | 82.0 | 2. | 82.0 |
| 1 2000 | 0.0 | 73.3 | 78.0 | 80.0 | 86.7 | 87.3 | | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 1 | 0.9 | 73.3 | | 0.08 | 86.7 | 87.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 141 | 0.9 | 74.7 | | 82.0 | | 0.06 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 61.3 | 91.3 | 61.3 | 91.3 |
| 1 | 6.7 | 18.7 | 83.3 | 86.0 | 0.46 | 34.7 | 0.96 | 0.96 | 0.96 | 0.96 | 96.0 | 6 | 96.0 | | 0.96 | |
| 1 1 | 6.7 | 78.0 | 84.7 | 0.88 | | 96.7 | 98.0 | 0.86 | 98.0 | 98.0 | 98.0 | | 98.0 | 98.0 | 98.0 | 98.0 |
| | 6.7 | 78.0 | 24.7 | 0.88 | 0.96 | 1.96 | 98.7 | | 7.86 | · | 98.7 | 98.7 | 98.7 | 8 | 98. | 98.7 |
| 8 | 6.7 | 78.0 | 84.7 | 88.0 | 0.96 | 1.96 | 98.7 | 66.3 | 86.3 | 66.3 | 99.3 | 86.3 | 66.3 | 86.3 | | 99.3 |
| | 6.7 | 18.0 | 100 | 88.0 | 96.0 | 1.96 | 98.7 | 99.3 | 66.3 | 66.3 | 99.3 | 66.3 | 66.3 | 99.3 | 99.3 | 99.3 |
| 8 | 6.7 | 78.0 | 84.7 | 0.88 | 0.96 | 96.7 | 7.86 | 99.3 | 99.3 | 66.3 | 99.3 | 99.3 | 66.3 | 86.3 | 66.3 | 99.3 |
| 1 | 6.7 | 78.0 | 14.7 | 88.0 | 0.96 | 16.7 | 7.86 | 99.3 | 66.3 | 69.3 | 6.66 | 99.3 | 99.3 | 66.3 | 66.3 | 66.3 |
| 1 1 1 | 6.7 | 78.0 | 34.7 | 88.0 | 1.96 | 97.3 | 66.3 | 100.001 | 100.00 | 10000 | 100.0 | 100 | 100.0 | 0 | 100.0 | 0.001 |
| | 6.7 | 18.0 | 34.1 | 0.88 | 1.96 | 97.3 | 66.3 | 100.001 | 100.001 | | 0 | 100 | 01 | 100.0 | 10000 | 100.0 |
| 38 | 6.7 | 78.0 | 84.7 | 88.0 | 1.96 | 97.3 | 86.3 | 100.00 | | 0.0 | 00 | • | - | 0 | 100.0 | |
| VI 8 | | | 3 | | | 97.3 | 66.3 | 0 | 0 | 0.0 | 00 | 100 | 01 | | | 0.001 |
| ٨١ | 6.7 | 78.0 | 84. | 88.0 | 96. | 37.3 | 66.66 | 100.001 | 0000 | 0.001 | 100 | 100.0 | 0.001 | 0.001 | 100.0 | 1000 |

150

TOTAL NUMBER OF OBSERVATIONS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (1.5.T.) SEP

| 2 0 2 0 2 0 2 0 2 0 0 | CEILING | | | | | | | VIS | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
|---|------------|------|------|------|--------|------|------|-------|----------------------------|-----------|-------|-------|-------|-------|--------|-------|------|
| 3.3 52.0 56.0 58.0 60.0 60.0 60.7 60.7 60.7 60.7 60.7 60 | (FEET) | 01 1 | | 5 41 | | | | | | | - | 1 | | 12750 | | 1000 | |
| 3.3 53.3 57.3 57.3 57.3 57.3 62.0 62.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7 | NO CEILING | 3.3 | 52.0 | | 58.0 | | 0 | 1.09 | 1.09 | 60.7 | 60.7 | | 1.09 | 60.7 | 60.7 | 1.09 | 60.7 |
| 3.3 53.3 57.3 57.3 57.3 57.3 62.0 0 2.0 0 62.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7 | > 20000 | 3.3 | 53.3 | | | 2. | 2 | | 62.7 | | 62.7 | | | N | 62.7 | | |
| 3.3 53.3 57.3 57.3 59.3 62.0 62.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7 | | 3.3 | 53.3 | 57.3 | 59.3 | | 2. | | 62.7 | | 62.7 | | 62.7 | | 62.7 | 62.7 | 62.7 |
| 10000 3-3 53-3 57-3 59-3 62-0 62-0 62-7 62-7 62-7 62-7 62-7 62-7 62-7 62-7 | | 3.3 | 53.3 | 57.3 | | • | 5 | 62.7 | 62.7 | | 62.7 | | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 3.3 53.3 57.3 59.3 67.7 63.3 62.0 62.0 62.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7 | | | 53.3 | | 59.3 | 62.0 | 050 | 62.7 | 62.7 | 62.7 | 62.7 | 62.1 | 62.7 | 62.7 | 62.1 | 62.7 | 62.7 |
| 3.3 54.7 58.7 60.7 63.3 63.3 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 | | | 53.3 | 57 | | 62.0 | 2 | 62.7 | 62.7 | N | 62.7 | ~ | 62.7 | | 62.7 | 62.7 | 62.7 |
| 3.3 54.7 58.7 66.7 63.3 63.3 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 | | | 54.7 | 1 | 60.1 | 63.3 | 63.3 | 0.49 | | 0.49 | 0.49 | 64.0 | 0.90 | * | - | 0.49 | 0.49 |
| 3.3 55.3 59.3 61.3 64.0 64.7 64.7 64.7 64.7 64.7 64.7 64.7 64.7 | | | 54.7 | 58 | | 63.3 | 63.3 | 0.49 | * | * | 4 | * | ; | . 50 | 64. | ; | 64.0 |
| 3.3 55.3 59.3 61.3 64.0 64.7 64.7 64.7 64.7 64.7 64.7 64.7 64.7 | 1 | | 55.3 | 59 | 61.3 | 0.49 | | 64.7 | 4 | | 64.7 | 1.49 | 04.1 | 64.7 | 64.7 | 64.7 | 64. |
| 2.3 55.0 50.0 50.0 62.0 64.7 54.7 55.3 65.3 65.3 55.3 55.3 55.3 55.3 55.3 | | | 55.3 | 29 | 61.3 | | * | 64.7 | | 64.7 | 64.7 | 64.7 | 3 | | 64.7 | 64.7 | 64.7 |
| 3.3 57.3 61.3 61.3 65.0 66.0 66.7 67.3 67.3 67.3 67.3 67.3 67.3 67.3 | 1 | | 56.0 | 00 | 62.0 | 64.1 | 64.1 | 65.3 | | | 65.3 | | 65.3 | 65.3 | 65.3 | | 65.3 |
| 4.00 3.3 58.0 62.0 64.0 66.7 66.7 67.3 67.3 67.3 67.3 67.3 67.3 | | | 57.3 | 19 | | | | 66.7 | | 9 | | | 9 | 66.7 | 1.99 | | 66. |
| 3.50 3.3 58.0 62.0 64.0 66.7 66.7 67.3 67.3 67.3 67.3 67.3 67.3 | 1 | | 58.0 | 62. | | 1.99 | 1.99 | 67.3 | - | | | 67.3 | 67.3 | 61.3 | 67.3 | 67.3 | 67.3 |
| 3.500 | | | 58.0 | 62. | * | 9 | 66.7 | 67.3 | - | 7. | - | 67.3 | 67.3 | 1 | | 67.3 | 67.3 |
| 3500 4.0 58.7 62.7 64.7 67.3 67.3 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 | | 3.3 | 58.0 | 62 | | | | 2 | - | • | - | | | | 9 | 61.3 | 67.3 |
| 2300 4.0 62.7 56.7 66.7 71.3 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 | | 4.0 | 58.7 | 62 | \$ | | - | | | 00 | | 2 | | 8 | 68. | 0.89 | |
| 4.0 70.0 74.0 76.0 80.0 80.0 80.7 80.7 80.7 80.7 80.7 80 | 1 | 0.4 | 1 | 1 | 1.89 | 71.3 | - | 72.0 | | 2. | | | 2 | | | 72.0 | |
| 1800 4.0 70.7 74.7 76.7 80.7 80.7 80.7 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 | | 4.0 | | 74 | 4 | 0 | 0 | | | 0 | | | | | | 80.7 | |
| 1200 4.0 74.7 80.7 82.7 86.7 86.7 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88 | | 0.4 | | | 76.7 | 80.1 | | | 81.3 | 81.3 | | 81.3 | | 81.3 | 81.3 | 81.3 | |
| 4.7 78.0 85.3 90.0 94.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96 | | 4.0 | | | 82.7 | 86.7 | | | | 0 | 0 | 88.0 | | 3 | 88.0 | 88.0 | |
| 4.7 78.0 85.3 90.0 94.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96 | | 4.7 | 1 | | 86.7 | 1.06 | | | | | | 92.0 | 92.0 | 92.0 | | 92.0 | |
| 200 4.7 78.0 86.0 90.7 96.0 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 | | 4.7 | 78.0 | | C | 4 | | | | 9 | | 1.96 | | 96.7 | 1.96 | 1.96 | 96 |
| 4.7 78.7 86.7 91.3 96.7 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98 | | | 78.0 | 1 | 2006 | 0 | | | | 8 | | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98 |
| 700 4.7 78.7 86.7 91.3 96.7 96.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 | | 4.7 | 78.0 | 86 | 0 | 0 | | | | 00 | 0. | 98.7 | | | 1 98.7 | 98.1 | 98. |
| 200 4.7 78.7 86.7 91.3 96.7 96.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 | | 4.7 | 78.7 | 1 | 91.3 | 1.96 | 1.96 | | | • | 0 | 99.3 | | 99.3 | 66.3 | 66.3 | .66 |
| 200 4.7 78.7 86.7 91.3 97.3 97.3100.0100.0100.0100.0100.0100.0100.010 | | | 78.7 | 86.7 | 61.3 | | | | | 6 | | 6 | | 99.3 | | 99.3 | |
| 4.7 78.7 86.7 91.3 97.3 97.3100.0100.0100.0100.0100.0100.0100.010 | | | 18.7 | 900 | 91.3 | 67.3 | 6.16 | | 100.001 | | | 100.0 | 10000 | 100 | - | | 100. |
| 200 4.7 78.7 86.7 91.3 97.3 97.3100.0100.0100.0100.0100.0100.0100.010 | | 4.7 | 78.7 | 86.7 | 91.3 | 61.3 | 61.3 | 100.0 | | | 0 | 100 | 100 | 100 | - | 0 | 100 |
| , 4.7 78.7 86.7 91.3 97.3 97.3100.0100.0100.0100.0100.0100.0100.010 | | 4.7 | 18.1 | 86.7 | | 67.3 | 97.3 | 0.001 | 100.0 | 100.0 | 0 | 100.0 | 100.0 | 100.0 | 01 | 00 | 100 |
| 0 4.7 78.7 86.7 91.3 97.3 97.3100.0100.0100.0100.0100.0100.0100.010 | 1 | 4. 7 | 78.7 | 86.7 | 5 . 16 | 97.3 | 97.3 | 000 | 00.00 | 0000 | 0 | 0 | 100.0 | 100.0 | 100 | 100.0 | 100 |
| | | 1.3 | | 86.7 | 61.3 | 97.3 | 97.3 | 0000 | 100.00 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |

TOTAL NUMBER OF OBSERVATIONS

150

JAR.

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MOURS (1 S T) \$ E P

3418

| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | (Si | | | | | | |
|------------|-----|------|-------|------|------|------|------|-------------|----------------------------|------|------|---------|---------|--------|------|-------|
| (FEET) | 5 1 | N AI | \$ 21 | 7 | 1 3 | 2 2% | 1 2 | VI 75 | ¥1 Y | - | ¾ AI | ₩ Al | Z Ai | ≥ 5/16 | M AI | AI |
| NO CEILING | | 40.1 | 4 | .0 | 0 | - | 10 | 53.3 | 53.4 | 5 | 3 | | 53.7 | 3 | 3. | 53.9 |
| > 20000 | | 6.04 | | 47.9 | 52.3 | 3 | 54.3 | 54.7 | 54.8 | | 55.0 | 55.0 | 55.0 | 55.0 | 55.1 | 55.3 |
| > 18000 | | 41.1 | 45. | 00 | | m | ; | | 5 | 5 | | 5 | | 5 | 5 | |
| 00091 1 | | 41.1 | 4 | 48.2 | | | 24.6 | | | 5 | | 5 | 55.3 | 5 | 3 | 55.5 |
| | | 41.5 | 45. | | 3. | 3 | 5 | 5 | 1 - | 5. | 5 | 5. | 5. | 5. | 5 | 0 |
| 2 12000 | | | 4 | 49.3 | | * | | 9 | | | | | 50.5 | | | |
| 1 - | | 1 | 47. | 0 | * | 5 | 0 | | 1 . | 1. | | - | | - | - | - |
| 0006 | 5.6 | | 47.3 | 50.1 | 54.6 | 55.5 | 56.8 | 57.2 | 57.3 | 57.5 | | 57.5 | 57.5 | 57.5 | | 57.8 |
| 1 | | 1 | 47. | 0 | 5 | 6 | | | 1 . | 00 | 00 | | * | 00 | 8 | |
| 2000 | | | 4 | ċ | 55.6 | 9 | | | | 8 | 00 | | 8 | 8 | 8 | 58.8 |
| 1 | | 1 | 48 | ċ | 3 | 9 | - | 0 | 1 . | 00 | 00 | 8 | 8 | 8 | 20 | 58.8 |
| 8000 | | | 48. | | | - | 00 | | | 6 | 6 | 6 | 6 | 0 | 6 | 59.4 |
| 1 | | 1 | 4 8 | | 9 | | | 6 | 1 - | 6 | 6 | | 6 | 6 | 6 | 59.8 |
| 1 1 | | | 4 | ~ | 57.5 | 00 | | 0 | | 0 | | | | 0 | | 60.7 |
| 1 | | 1 | 50. | 60 | 2 | 0 | 0 | - | 1 . | - | - | - | | - | - | |
| 3000 | | | 33 | | | i | 100 | | | ; | * | ; | | * | * | 64.7 |
| 1 | | 1 | 56. | 0 | * | 5 | 9 | 1 | 1 - | 7. | - | | | - | - | 67.8 |
| 1 2000 | | | 61. | 64.3 | 71.2 | 2 | | 4 | | | | | | 5 | 3 | 75.3 |
| | | 1 | 62. | 0 | 2. | 643 | 5 | 5 | 1 - | 5 | 5 | 3. | | 5 | 9 | |
| 98 | | | 58 | | | 0 | 2 | 3. | - | | | 3 | | | 3 | 84.1 |
| | | 1 | 10 | | | * | | 1. | 1 - | 7. | | | | - | - | 87.9 |
| 98 | | | - | | 9 | 00 | - | 2. | | ~ | 3 | 3 | | 3 | 3 | 93.4 |
| | | | 72. | 30 | | 0 | | | 1 - | | ; | | | . 5 | * | 95.0 |
| 8 | | | 72. | | | 0 | 100 | | | S | 3 | 49.4 | | m | 5 | 95.7 |
| 1 | | | - | 78.5 | 8 | 0 | | 3 | | 9 | 0 | 96.3 | | 9 | 9 | 96.6 |
| 8 | | 65.3 | - | 78.7 | 88.3 | 0 | ; | 3. | 86.3 | | 9 | 8.96 | | . 9 | | - |
| | | 65.5 | - | 78.9 | | 0 | 5 | 9 | - | - | | | | | | 0.86 |
| 8 | | 65.5 | - | 78.9 | 88.8 | 91.2 | 95.5 | 90.8 | 97.2 | 98.1 | 98.2 | 58.5 | 98.3 | 98.3 | | 98.6 |
| | | 65.5 | | 18.9 | 88.9 | | | | | | 2 | 38.6 | 98.7 | 98.8 | | |
| 141 | 6.5 | 65.5 | 73.4 | 78.9 | 88.9 | | 45.7 | 97.1 | 4.16 | | 98.5 | 98.5 | 98.9 | 1.66 | 8.66 | 1.66 |
| | | 65.5 | | 78.9 | 68.8 | 91.3 | 98.7 | 1.16 | 31.4 | 4.86 | 6.86 | 98.5 | 68.6 | 1.66 | 6 | 99.8 |
| 0 | | 65.5 | | 78.9 | 88.9 | 91.3 | 95.7 | 97.1 | 4.79 | | • | 98.5 | 6.86 | 1.66 | 6 | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET

SOWS

93114

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

73-

73-77

7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OLT MONTH OIL MOURS (LS T.)

1565

| CEILING | | | | | | | VIS | IBILITY (ST. | VISIBILITY (STATUTE MILES) | (S) | | | | | | |
|------------|-----|------|------|------|-------|------|------|--------------|----------------------------|------|---------|------|------|--------|------|------|
| (FEET) | 5 | ٨١ | 51 | 4 | E AI | > 2% | 2 2 | V1 V | VI 24 | - | % Al | * | Z AI | ≥ 5/16 | VI 3 | ٨١ |
| NO CEILING | | | 43.2 | 47.1 | 2. | 2 | 3 | 4 | 4 | | | | | | | 54.8 |
| ≥ 20000 | 5.5 | 40.7 | 43.2 | 47.7 | \$3.6 | 53.6 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 56.1 | 56.1 |
| | | | 43.2 | 47.1 | 3 | | | 5 | 5 | 5 | 55.5 | | | • | | 56.1 |
| 2 16000 | | 40.7 | 43.2 | | ; | | | 9 | 9 | 56.1 | | | | | | 56.8 |
| 1 | 5.2 | 40. | 43.2 | | 4 | + | | 0 | | 9 | | 96. | | 9 | | 56.8 |
| 7 12000 | 5.2 | 41.3 | 43.9 | | | * | | 56.8 | | | | | | 56.8 | | 57.4 |
| 1 - | 5.2 | 45.6 | 45.2 | · | | | | 8 | | | | 58. | | | | 58.7 |
| 000 | 5.5 | 45.6 | 45.2 | 50.3 | .0 | • | 58.1 | 58.1 | 8 | 58.1 | 58.1 | | | œ | 58.7 | 58.7 |
| | | 44.5 | 47.1 | 2 | 3 | 00 | 0 | 0 | 0 | 0 | | 00 | | 0 | | 60.7 |
| 141 | | 44.5 | 47.1 | 2. | | 8 | 0 | 0 | 0 | 0.09 | | 609 | | | | 60.7 |
| 1 | | 44.5 | 47.1 | 2 | | 00 | | 0 | 0 | 0 | .09 | 000 | | 0 | | 60. |
| 0005 | 5.8 | 45.2 | 47.7 | 55.9 | | 00 | 0 | 0 | | 0 | .09 | 09 | | | | 61.3 |
| | | 48.2 | 47.1 | 2. | 58.1 | 00 | 0 | 0 | 0 | | 909 | 90 | | 1.00 | | 61.3 |
| 000 | S | 46.5 | 0.65 | | 0.09 | 0 | - | - | - | - | 61. | 61. | | - | | 62.6 |
| 1 | 3.8 | 47.1 | 1.67 | * | | 0 | 2 | 2 | 2 | 2. | 62. | 62. | | | | 63.2 |
| 3000 | 6.5 | 0.65 | 21.6 | | | 2 | * | ; | | ; | 64. | 64. | | * | 5 | 65.2 |
| 1 | 7.7 | 53.6 | 56.1 | - | | | 0 | | 6 | 6 | 69 | 69 | | 6 | | 70.3 |
| 7 2000 | 7.7 | 56.1 | 59.4 | K. | | - | | 2 | 2. | 2 | 72. | 72. | | | | 73.6 |
| | | 56.1 | 39.4 | 65.2 | | - | 2. | 7 | 2 | 2. | 72. | 12. | | 2. | 3. | 73.6 |
| 1500 | 7.7 | 61.3 | 66.5 | | | 8 | 0 | 0 | 0 | 0 | 80. | 80. | | ò | - | 81.3 |
| 1 | 7.7 | 61.3 | 6000 | | | | 0 | 0 | 0 | 0 | 80. | 80 | | 0 | - | 81.3 |
| 000 | 7.7 | 63.2 | 0.69 | 76.8 | 83.9 | 83.9 | 85.8 | 3 | 5 | 5 | 85. | | | 5 | • | 86.5 |
| | 7.7 | 63.9 | 1.69 | 77.4 | 84.5 | | 9 | 0 | 0 | 0 | | 86 | | 86.5 | 87.1 | 87.1 |
| 008 | 7.7 | 64.5 | 70.3 | 18 | | 88.5 | - | 87.1 | - | | | 00 | - | 87.1 | | |
| | 7.7 | 64.5 | 70.3 | 78.7 | | 85.8 | 87.7 | 87.7 | | | | 87 | | 87.7 | 8 | 88.4 |
| 8 | 7.7 | 64.5 | 70.3 | 78.7 | 85.8 | 85.8 | 87.7 | | 7 | 87.7 | | 80 | - | 87.7 | 88.4 | |
| | 7.7 | 64.5 | 70.3 | 78.7 | 5 | 85.8 | 89.7 | | | 6.06 | | 90 | 0 | 90.3 | : | 91.0 |
| 8 | 7.7 | 64.5 | 70.3 | 78.7 | 85.8 | 85.6 | 89.7 | 89.7 | 6 | 100 | 800 | 80 | | 8006 | 91.0 | 91.0 |
| | 1.1 | 64.5 | 70.3 | 78.7 | 85.8 | 85.8 | 6.06 | | | 92.3 | | 26 | 2 | 92.3 | 2 | 92.9 |
| 38 | 7.7 | 64.5 | 70.3 | 78.7 | 82.8 | 85.8 | 90.3 | 91.6 | - | 65.6 | 93.6 | 93.6 | | 93.6 | 94.2 | 94.2 |
| | 1.1 | 64.5 | 70.3 | 18.1 | 85.8 | 85.8 | 90.3 | 91.6 | | 93.6 | 2.96 | 2.96 | 34.5 | 34.5 | 95.5 | 97.4 |
| ١٨١ | 7.7 | 64.5 | 70.3 | 78.7 | 85.8 | 85.8 | 90.3 | 91.5 | 91.6 | 93.6 | 3.46 | 34.2 | 34.5 | 34.5 | 95.5 | 0001 |

TOTAL NUMBER OF OBSERVATIONS

155

BUBB

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 HOURS (1.5.T.) T DO

| CEILING | | | | | | | VISIN | BILITY (STA | VISIBILITY (STATUTE MILES) | S S | | | | | | |
|------------|-----|------|----------|------|------|------|-------|-------------|----------------------------|------|---------|-------|-------|--------|-----------|------|
| (FEET) | 2 | 41 | ۶۶ ۸۱ | AI | N AI | > 2% | 1 A | N 19 | ¥1 %1 | 71 | % Al | * Al | Z AI | ≥ 5/16 | AI | 0 11 |
| NO CEILING | | 38.1 | | - | 3 | 43.2 | 3 | | 3 | 43.9 | - | 43.9 | | | 43.9 | 43.9 |
| > 20000 | 5.8 | 38.1 | | 41.9 | • | 43.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | | 44.5 | 44.5 | 44.5 |
| 18000 | | 38.1 | | | 3 | 3 | | | * | 44.5 | | | * | | | 44.5 |
| 7 16000 | | 38.1 | | | | 43.2 | 44.5 | 44.5 | 4 | 44.5 | + | 44.5 | * | 44.5 | ; | 44.5 |
| | | 38.1 | | | | 43.2 | 44.5 | 44.5 | | 44.5 | | 44.5 | | 44.5 | + | 44.5 |
| 2 12000 | | 38.7 | 40.7 | 45.6 | 43.9 | 43.9 | Š | | 45.2 | 45.2 | 2 | 2 | 2 | • | 45.2 | 45.2 |
| | | 40.7 | | 44.5 | | | • | | • | 47.1 | | 47.1 | | 47.1 | 47.1 | 1.1. |
| 000 | | 40.7 | | • | 5 | | | 47.1 | - | 47.1 | 1. | 47.1 | 7. | 47.1 | 47.1 | 47.1 |
| 1 | | 40.7 | | 44.5 | | 45.8 | | | | 47.1 | | 47.1 | • | 47.1 | 47.1 | 47.1 |
| 2000 | | 40.7 | | 44.5 | 3 | - | | 47.1 | | 47.1 | - | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 1 | | 40.1 | | 44.5 | | | | | 47.1 | | | 47.1 | | | 47.1 | 47.1 |
| 2000 | | 41.9 | | 45.8 | 47.1 | 47.1 | | 48.4 | | | | 48.4 | 48.4 | | 8 | 48.4 |
| 1 | | 41.9 | | 45.8 | - | 2 | 8 | | 8 | | 80 | 20 | 8 | 00 | 8 | |
| 000 | | 43.2 | | 47.7 | | 6 | 0 | 50.3 | 0 | 0 | 0 | 50.3 | | 0 | 50.3 | 50.3 |
| | | 43.9 | | 00 | 6 | 6 | - | -: | -: | - | - | : | : | - | - | 51.0 |
| 3000 | | 45.2 | | 40.7 | 51.0 | | 2 | 2 | | | 3 | 2 | 2. | 2. | 52.3 | 52.3 |
| 1 | | 47.7 | | 2 | | | 9 | 0 | 9 | 9 | 9 | | | 9 | • | 56.1 |
| 7 2000 | | 51.0 | | 56.8 | 6 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.7 |
| | | 51.0 | | 56.8 | 59.4 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | • | 60.7 |
| 98 | | 58.1 | 9.29 | - | 8 | | | 71.6 | 2. | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| | | 58.7 | | | 6 | | 2 | 2. | 3 | 3 | 3 | 3. | 3 | 3 | 3 | |
| 1000 | | 0.09 | | 69.7 | 72.9 | 3 | - | 1. | 8 | 8 | | 8 | 8 | 8 | 8 | 78.1 |
| | | 2009 | | • | 3. | | 8 | | 8 | 00 | | 8 | | | | |
| 8 Al | | 60.7 | | • | * | | 6 | 6 | 0 | ċ | 0 | | | • | • | |
| | | 61.3 | | 72.3 | 5 | 100/ | 0 | | 0 | | 0 | C | | 0 | 80.7 | 80.7 |
| 8 | | 61.3 | 67.7 | 72.9 | .0 | 16.8 | 0 | | : | - | : | | 1: | - | 81.3 | |
| | | 61.3 | 67.7 | 72.9 | 77.4 | 18.1 | 5 | | 3. | 83.9 | 3 | 83.9 | 83.9 | 177 | 83.9 | 84.5 |
| 8 | | 61.3 | 67.7 | 72.9 | 8 | 78.7 | | 3 | 3 | _ | | 84.5 | 84.5 | | 84.5 | 85.2 |
| 38 | 6.5 | 61.3 | 67.7 | 72.9 | 78.1 | 78.7 | 83.2 | 83.9 | 84.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 83.8 | 86.5 |
| | | - | 01. | | 78.1 | 18. | 3. | • | ; | 87.1 | | 4 . 6 | 4.6 | 88.4 | 88.4 | 89.7 |
| 8 | | 7 | 67.7 | 12.9 | 78.1 | 18. | 83.2 | 83.0 | 50 | 4 | | 2000 | 23.1 | | | 92.9 |
| ٥ | | • | 01. | | 78.1 | 18. | 3. | • | 3 | 0.68 | 0 | 20.3 | \$0.0 | 90.3 | 91.0 | 000 |

TOTAL NUMBER OF OBSERVATIONS

155

2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93114

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

007 NOUS (1.5.7.)

| CEILING | | | | | | | - | (3) | VISIBILITY (STATUTE MILES) | â | | | | | | |
|------------|------|---------|------|------|----------|------|------|-------|----------------------------|------|---------|------|------|--------|------|---------|
| (FEET) | 2 1 | ۰ ۸۱ | 8 41 | 4 | es Al | 2 2% | ~ 1 | V1 72 | 7 7 | Ā | % AI | * | 2. | 2 5/16 | N N | 0 AI |
| NO CEILING | | | 0 | 27.7 | 6 | 0 | - | 33.6 | | 4 | 34.2 | 34.2 | 34.8 | | | 34.8 |
| × 20000 | | | 6 | 30.3 | | 32.3 | * | 37.4 | 37.4 | 38.1 | 38.1 | 38.1 | 38.7 | 38.7 | | 39.4 |
| | | | 6 | 30.3 | 3. | 32.3 | | 37.4 | | | 38.1 | • | 38.7 | 38.7 | 38.7 | 39.4 |
| 2 16000 | | • | 6 | | 3 | • | * | | • | 38.1 | 38.1 | | 38.7 | * | | 39.4 |
| | | 9 | 6 | 30.3 | 2 | | | | | 8 | | 38.1 | | 38.7 | | 0 |
| 12000 | | 27.1 | 0 | • | 33.6 | 3 | 36.1 | 39.4 | | ċ | 40.0 | | | ò | 40.7 | 41.3 |
| | | 80 | - | | 2 | | 8 | 4 | - | | - | • | 7 | | | 3 |
| 000 | | 8 | = | 32.9 | s. | 5 | 90 | 1: | - | - | 41.9 | = | | 2 | | |
| 1 | | 8 | - | | 3 | | 100 | | | | | • | | | | 43.6 |
| 700 | | 6 | 2 | 33.6 | ; | . 9 | 00 | - | - | 2 | • | 2 | | | | |
| 1 | | 0 | ä | * | - | | 0 | 4 | | 5 | | | | | | |
| 2000 | | - | | | | 00 | - | | 3 | • | • | | 0 | • | | 47. |
| 1 | | - | 4 | | | 8 | 1 | 5 | 5 | 5 | 5 | | | 9 | | |
| 141 | | 1. | | • | • | • | - | • | | | 2 | | | 9 | | - |
| 1 | | - | 3 | | 8 | | - | 0 | 5 | 0 | 0 | | | | | |
| 300 | | ė | 0 | | | 45.2 | - | 51.6 | - | 2 | | | 2 | 2. | | 3 |
| 1 | | | 2. | 127 | | | 0 | * | * | * | 4 | | 5 | 5 | | 56. |
| 700 | | 3 | 8 | | 2 | | - | - | - | - | : | | 2 | 2 | | 63.5 |
| 1 | | | 8 | | 2 | | - | - | - | - | - | | 7 | 2 | | 63.5 |
| 1200 | | • | 2 | . 4 | 8 | 0 | * | 6 | 6 | 6 | | | | ċ | | 2.5 |
| 1 | | | 2 | | 6 | | 5 | 0 | 0 | - | - | | : | - | | 72. |
| 8 | | | | 57.4 | 61.9 | m | 0.69 | | | 75.5 | 75.5 | | 76.1 | | | 77. |
| | | 47.7 | ; | | 2 | | 6 | | * | • | | | 0 | 0 | | 78. |
| 8 | | 47.7 | ; | | 2 | 2 | 0 | | 5 | | | | - | | | 78. |
| 1 | | 47.7 | 2 | 58.1 | 3 | | - | 9 | 0 | 9 | 78.1 | 78.1 | | 8 | 19.4 | 80. |
| 8 | | 47.7 | 'n | 58.7 | 3 | | - | 9 | | ċ | 0 | | 0 | 0 | 81.3 | 81. |
| | | 47.7 | 3 | 58.7 | . 4 | | 2 | | 6 | | | | 85.2 | 2 | 85.8 | 86. |
| 8 | 15.5 | 48.4 | 26.1 | 29.4 | | | 73.6 | 19.4 | 80.0 | | ; | 84.5 | 85.8 | 85.8 | 86.5 | 87. |
| | | 48.4 | 9 | 29.4 | 5 | 67.1 | | | 0 | 86.5 | 87.1 | 87.1 | 89.0 | 6 | 89.7 | 91.0 |
| 30 | | 48.4 | ė | 7.65 | 65.2 | 67.7 | | 19.4 | 0 | | 87.7 | 87.7 | 89.7 | | | 6 |
| 8 | | 000 | | 59.4 | 65.5 | 67.1 | 73.6 | 19.4 | 80.0 | 87.1 | 87.1 | 87.7 | 6006 | | 93.6 | 97.6 |
| | | 48.4 | | 50.4 | 65.5 | 67. | • | 13.4 | 80.0 | 87.1 | 87.7 | 67.7 | 90.3 | ċ | | 00 |

TOTAL NUMBER OF OBSERVATIONS

155

=

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 0C.T

| CEILING | | | | | | | (I) | | VISIBILITY (STATUTE MILES | G | | | | | | |
|-----------|------|-----|------|------|------|------|------|------|---------------------------|------|---------|------|--------|--------|-------|------|
| (FEET) | 2 | ٨١ | 37 | 1 | 71 | ≥ 2% | 7 | W 1% | 71 71 | Ā | % Al | * | N N | 2 5/16 | 7 | ٨١ |
| O CEILING | | 0.3 | 2 | 5. | | 38.7 | 3 | 6 | 0 | 2. | | | | 2. | | 52. |
| ≥ 20000 | 9 | 1.6 | ; | - | * | 0 | 9 | - | 5 | \$ | • | | | * | • | 54. |
| 7 18000 | • | 1.6 | ; | 37.4 | • | 40.1 | 46.5 | 51.0 | 52.3 | ; | | | 54.2 | * | • | 54. |
| ≥ 16000 | • | 1.6 | ; | - | | · | | - | 5 | 4 | • | • | | | ; | 54. |
| | | 2.3 | | | 6 | • | | - | 2 | * | | | | 3 | • | 55. |
| 2 12000 | .0 | 2.3 | ; | | 6 | - | - | - | 2 | ; | • | | | 2 | 2 | 55 |
| 1 | 0 | 2.3 | 5 | 6 | - | | 6 | | 9 | 8 | 8 | | | 8 | | 58. |
| 8 | | 2.3 | | 39.4 | 41.9 | | 49.7 | 54.5 | 56.1 | 00 | 58.1 | | 58.1 | 8 | 58.7 | 58. |
| | 9 | 5.9 | 9 | 0 | 2. | | 0 | 3 | 9 | 0 | | | | 6 | | 59. |
| 700 | | 3.6 | | | | | | | 8 | 0 | | | | 0 | | 9 |
| 1 | 0 | 3.6 | .9 | c | 3 | 3 | - | 0 | | ċ | 0 | | | 0 | 0 | 60. |
| 2000 | 9 | 3.6 | | 40.7 | 3 | • | | 56.1 | 8 | 0 | | | | 0 | | 9 |
| | 0 | 3.6 | 0 | | 3. | 5 | = | 0 | 8 | 0 | 0 | | | 0 | | 60 |
| 000 | 1. | 4.2 | - | | 3. | 5 | : | | 8 | 0 | | | | - | | 61. |
| | 8 | 7.4 | 0 | | | | 4 | 0 | - | 3 | m | | | | | . 49 |
| 300 | 0 | 1.3 | ; | | - | 2 | 20 | | | - | - | | | 00 | | 68 |
| 1 | - | 5.2 | 8 | | 2 | | 3 | | 0 | 2 | 2 | | | 2 | | 72. |
| 7000 | - | 6.0 | 3 | • | 9.29 | | - | | | 0 | | | | ċ | • | 80. |
| 1 | 7 | 0.1 | * | | 3. | | 2. | | 5 | - | - | | | - | - | 81. |
| 200 | 3. | 4.2 | - | 62.6 | 8 | - | 00 | 3 | | - | - | | | - | - | 87 |
| 1 | 3 | 4.8 | * | 3 | 6 | | 6 | | - | 6 | 0 | | | | 6 | 89. |
| 8 | 3 | 5.5 | | | 71.6 | 74.8 | | 80.3 | | 5 | 3 | | 95.5 | . 9 | 96.1 | 96 |
| | 3 | 5.5 | 0 | 65.8 | | | | 0 | | 3 | | | | 9 | 1.96 | 96 |
| 8 | | 5.5 | 0 | 138 | | | 4 | - | , | 0 | ; | | | - | 97.4 | 97. |
| 1 | 3 | 5.5 | 0 | | | | 5 | 2 | 5 | | | | | | | 98 |
| 8 | | 5.5 | 0 | | 72.3 | | | 2 | 5 | * | * | | | | | 98 |
| | 3. | 3.5 | | 5. | | | 5 | 2 | 9 | 8 | | | | 0 | | 100 |
| 8 | 3 | 5.5 | 0 | 65.8 | 72.3 | 76.1 | | 2. | 9 | | | | 4.66 | 0 | 0.001 | 100 |
| 380 | 23.2 | . 3 | 0.09 | 63.8 | | 16.1 | 85.2 | 2 | 1.96 | 98.7 | 4.66 | 7.66 | 4.66 | 10000 | 10000 | 001 |
| 8 | | 5.5 | | 65.8 | 72.3 | 76.1 | | 92.3 | | 8 | • | | 4.66 | | 10000 | 100 |
| 8 | 3 | 5.5 | 0 | 63.8 | 72.3 | 1.91 | | 92.3 | 96.1 | 98.7 | | | 4.66 | 100.0 | 0000 | 100 |
| | - | | | | | | | | | | | | 100000 | | | |

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

30

1000

13

| VISIBILITY (STATUTE MILES) | Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y | 61.3 69.7 70.3 71.6 71.6 71.6 71. | 0.0 | 0.7 64.5 73.6 74.2 76.1 76.1 76.1 7 | 0.7 64.5 73.6 74.2 76.1 76.1 7 | 0.7 64.5 73.6 74.2 76.1 76.1 76.1 7 | 6.5 75.5 76.1 78.1 78.1 78.1 78.1 | .5 68.4 77.4 78.1 80.0 80.0 80.0 80. | 4.5 68.4 77.4 78.1 80.0 80.0 80.0 8 | .5 68.4 77.4 78.1 80.0 80.0 80.0 80.0 80.0 8 | .0 78.1 78.7 80.7 80.7 80.7 8 | 5.2 69.0 78.7 79.4 81.3 81.3 8 | 5.8 69.7 79.4 80.0 81.9 81.9 81.9 81.9 | 5.8 69.7 79.4 80.0 81.9 81.9 81.9 81.9 8 | 7.1 71.0 80.7 81.3 83.2 83.2 83.2 | 7.7 71.6 81.3 81.9 83.9 83.9 83.9 83.9 | 4.2 78.1 87.7 88.4 90.3 90.3 90.3 90.3 | .1 80.0 89.7 90.3 92.3 92.3 92.3 92.3 9 | 3.2 92.9 93.6 95.5 95.5 9 | 0.7 84.5 54.2 94.8 96.8 96.8 96.8 96.8 9 | 2.6 36.5 96.1 96.8 98.7 98.7 98.7 9 | 2.6 86.5 96.1 9 | 3.9 87.7 97.4 98.1100.0100.0100.0100.0100.01 | 3.9 87.7 97.4 98.1100.0100.0100.0100.0100.01 | 3.9 87.7 97.4 98.1100.0100.0100.0100.0100.010 | 3.9 67.7 97.4 98.1100.0100.0100.0100.0100.01 | 3.9 87.7 97.4 98.1100.0100.0100.0100.0100.010 | 3.9 67.7 97.4 98.1100.010 | 3.9 87.7 97.4 98.1100.0100. | 3.9 87.7 97.4 98.1100.0100.010 | 100.001 | 33.9 87.7 97.4 98.1100.0100.0100.0100.0100.010 |
|----------------------------|---------------------------------------|-----------------------------------|---------|-------------------------------------|--------------------------------|-------------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|--|-------------------------------|--------------------------------|--|--|-----------------------------------|--|--|---|---------------------------|--|-------------------------------------|-----------------|--|--|---|--|---|---------------------------|-----------------------------|--------------------------------|---------|--|
| | A1 | = | .5 75. | .17 | .1 76 | .1 76 | .1 78. | 0.0 80. | 0.0 80. | 0.0 80. | 0.7 80. | 1.3 81. | 1.9 81. | 1.9 81. | 3.2 83. | 3.9 83. | 0.3 90. | 2.3 92. | 5.5 95. | 6.8 96. | 8.7 9 | 8.79 | 0.0100. | 0.0100 | 0.0100. | 0.010 | 0.01000 | 0.010 | 0.010 | 0.010 | 0.010 | 00.00.00 |
| STATUTE MILES | ΑI | F | 75. | 1 | ~ | 1 | - | 0.0 | 0.0 | 0.0 | 80.7 | 81.3 | 0 81.9 | 61.8 | 83.2 | 3.9 | 6.0 | 2.3 | 95.5 | 8.96 | 1.86 | . 1 | .01 | 0 | .01 | 10. | 0 | 0 | 0.0 | 0.01 | 4 | |
| VISIBILITY | AI ~ | | 72.9 73 | | | 1 9. | . 53 | - | - | 77.4 78 | .17 | .1. | .4 80 | 5. | 1.0 | 1.3 | 7.7 8 | 6 1.6 | 6.2 | 4.2 9 | 6 . 1 . 9 | 6 1. | .49 | 6 4. | 7.4 9 | 5 4. | 6 4. | 0 | 7.4 9 | 4.7 | 7.4 9 | 95 5.45 |
| | | 01. | 63. | . 4 | * | 4 | | 99 | 68 | | o. | 6 | 6 | | - | 11. | 2 78. | 1 80. | 4 63. | . 4 | 96. | 0 | | 9 67.7 | 9 87.7 | 9 87.1 | 0 | 9 67.1 | 9 87.7 | 9 87.1 | 9 87.7 | 9 87.1 |
| | | 8.4 57. | 0.3 60. | | 9 | 1.0 60. | 0 | 0 | 4.2 64. | 0 | 4.8 65. | 9 8. | 5.5 65. | 9 | 6.8 67. | 7.4 67. | | 16 | | œ | | | 1.6 83. | | | | 1.6 83. | 1.6 83. | 1.6 83. | 1.6 83. | 1.6 83. | 1.6 83. |
| | \$ 1 | 6.5 4 | 7.7 5 | 8 | | 48.4 5 | | - | - | | 3. | 2.3 | 5.9 | 6.2 | 4.2 5 | 54.8 5 | 60.7 6 | 62.6 6 | 65.2 6 | 9 5 9 | 67.7 7 | 7.77 | | 6 | 2 0.69 | 69.0 7 | 6 | 6 | 2 0.69 | | 69.0 7 | 69.0 |
| | 9 7 01 | 41. | .7 42.6 | £ 33 | 43. | 43. | .7 44.5 | 46. | | 46. | 47. | 47. | 47. | 1 47. | 0 | 64 | 55 | 9 57. | 00 | 2 60. | 61. | 2 61. | 62. | 2 62. | 62. | 2 62. | 62. | 52. | .2 62.6 | 62. | 2 62.6 | 62. |

0

TOTAL NUMBER OF OBSERVATIONS

155

-

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 DCT

25

| | 0 1 % 1 % 1 % 1 | 4 79.4 79.4 79.4 | 9.70 6.70 0.70 0. | .6 82.6 62.6 82.6 82. | .6 82.6 82.6 82.6 82.6 82. | .6 82.0 82.6 82.6 82.6 82. | .2 85.2 85.2 85.2 85.2 | .5 86.5 86.5 86.5 86.5 86. | .1 87.1 87.1 87.1 | .1 87.1 87.1 87.1 87.1 87.1 8 | .4 88.4 88.4 88.4 88.4 B8.4 | ** 38.4 88.4 88.4 88.4 88.4 | .3 90.3 90.3 90.3 90.3 90.3 | .3 90.3 90.3 90.3 90.3 90.3 | .6 91.6 91.6 91.6 91.6 91.6 | .9 92.9 92.9 92.9 92.9 92.9 | . 8 94.8 94.8 94.8 94.8 94.8 | 8 96.8 96.8 96.8 96.8 96.8 | .1 98.1 98.1 98.1 98.1 98.1 9 | 1 98.1 98.1 98.1 98.1 98.1 | 1 08 1 08 1 08 4 08 4 | 7.66 7.66 7.66 7.66 7.66 4. | 7.66 7.66 7.66 7.66 7.66 7. | ** 99.4 99.4 99.4 99.4 99.4 | .0100.0100.0100.0100.0100.0100. | .0100.0100.0100.010.0100.0100. | 10.0010.0010.0010. | 10.0010.0010.0010.0010.0010. | 0.0010 | | 0.0010.0100.0100.0100.0100.0100.0100.0100.0 |
|----------------------------|-----------------|------------------|-------------------|-----------------------|----------------------------|----------------------------|------------------------|----------------------------|--------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|----------------------------|-------------------------------|----------------------------|---|-----------------------------|-----------------------------|-----------------------------|---------------------------------|--------------------------------|--------------------|------------------------------|-------------------|-------|---|
| VISIBILITY (STATUTE MILES) | ۸۱ ک | 79.4 79.4 79.4 | 84.6 82.0 82.0 | 82.6 82.0 | 2.6 82.6 82.6 82.6 8 | 2.5 82.6 82.6 82.0 8 | 5.2 85.2 85.2 85.2 8 | 6.5 86.5 86.5 86.5 8 | 7.1 87.1 87.1 87.1 | 7.1 87.1 87.1 87.1 8 | 8.4 88.4 88.4 88.4 8 | 8 4.88.4 88.4 88.4 8 | .3 90.3 90.3 90.3 9 | 90.3 90.3 90.3 9 | 0 91.6 91.6 91.6 9. | 92.9 92.9 92.9 9 | 8 94.8 94.8 94.8 9 | 8 96.8 96.8 96.8 | .1 98.1 98.1 98.1 9 | 8.1 98.1 98.1 9 | 7 98 7 98.7 98.7 | 4.66 4.66 4.6 | 7.66 4.66 7.66 7. | 4.99.4 99.4 99.4 | 0.0010.0 | 100.00100.00100.001 | 10.0010.0010.0010. | 100.00100.00100.001 | 000 | 0.000 | 0010-0010-0010-010 |
| IISIA | 23 22% 72 | 7.4.7 | 00 00 00 | 0 | .0 80.7 B2. | 0.0 80.7 82. | .9 82.6 8 | 2.6 83.2 86. | .2 83. | 83.2 83.9 87. | 4.5 | .9 84.5 88. | 5.8 86. | 85.6 86.5 90. | 7.1 87. | 88.4 89.0 92. | 0.3 91.0 94. | 2.3 92.9 96. | 93.6 94.2 9 | 93.6 94.2 98. | . 8 4 . 9 . 8 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 | 6 8 95 5 9 | 94.8 95.5 99. | 95.5 | | 6.1100. | 0 | .5 95.5 96.1100.01 | 5 95.5 96.1100.01 | 0 | 5 95.5 96.1100.01 |
| | 4 A 1 A 1 | | 030 | 7 63.9 7 | - | - | - | • | 0 | 0 | 6 67.7 | 6 67.7 7 | .5 69.7 | . 5 69 | 8 71.0 | .1 72.3 | 10 | .0 76. | 3 77.4 8 | 72.3 77.4 83. | 3 1104 | 0 | 9 78. | .9 78.1 | 0 | | .9 78.1 | 0 | 72.9 78.1 84. | . 0 | |
| CEITING | (FEET) > 10 | 2 | 20000 | 2 | 16000 22. | 14000 22. | 2. | 10000 23 | 3 | 8000 23. | = | 6000 23. | | 4500 23. | ; | 3500 24. | 3 | 2500 25. | 2000 26. | 2 0081 | 1300 | 1000 | 27. | 27. | 700 27 | 80 | 2005 | 700 | 27.1 | 2.4 | 80 |

TOTAL NUMBER OF OBSERVATIONS

155

1111

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100

| 9 | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | SS. | | | | | | |
|------------|------|---------|-------|-------|------|------|------|-------------|----------------------------|------|---------|------|---------|---------|------|-----|
| (FEET) | 2 | ۰ ۱۸ | \$ 11 | AI AI | e VI | 1 2% | N AI | ¥2 ×2 | VI 72 | Ā | % Al | * | 2 Al | 2 5/16 | N NI | ٨١ |
| NO CEILING | 1.0 | 59. | | | | | | 3 | 5 | | | | | | | 5 |
| ¥ 20000 | 11.0 | 60.7 | 69.0 | 60.7 | 76.1 | 76.8 | 78.1 | 78.1 | 78.1 | 76.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78 |
| V 18000 | 0 | .09 | | | | 16.8 | 78.1 | 78.1 | w | | 18.1 | | | 78.1 | | 18 |
| 1600 | 0 | •09 | | 69.7 | 76.1 | • | 78.7 | 78.7 | * | • | • | 78.7 | | • | | 78 |
| | 0 | 61. | | ċ | | 17.4 | 6 | 19.4 | 5 | • | | | | 6 | | |
| 2 12000 | 11.0 | 61. | 70.3 | 71.0 | 77.4 | • | 0 | 80.7 | 0 | 80.7 | 80.7 | 0 | • | 80.7 | • | 80 |
| | 11.0 | 61. | | 71.0 | 8 | 18.1 | | | - | | | 81.3 | : | • | | 80 |
| 000 | 11.0 | 62. | • | 71.6 | 78.7 | o. | 61.8 | - | • | : | | 1. | - | - | | 81 |
| | 11.0 | 63. | 71.6 | • | 0 | 0.08 | | | 2 | | | 85.6 | 7 | 85.6 | | 82 |
| 7000 | 11.0 | 63. | • | 72.3 | • | .0 | 3 | | 3 | 3 | | 9 | 3 | 3 | | 83 |
| 1 | 0 | 63. | | | 0 | | 3 | | | | | 83.2 | 3. | | | 83 |
| 2000 | 11.0 | 63. | | 72.9 | 80.7 | 81.3 | 83.9 | 83.9 | | | | 3 | | | 83.9 | 63 |
| | 0 | 65. | | | - | 2. | 5 | 5 | 2 | 5 | | 5 | 5 | 5 | | 65 |
| 1111 | 11.0 | 65. | | 74.3 | 82.6 | 83.2 | | 85.8 | 3 | | | | 3 | 3 | 85.8 | 85 |
| 1 | 0 | 65. | | | | - | 30 | | 5 | 5 | | | 5 | | 85.8 | 85 |
| 300 | 11.0 | 57. | 76.1 | 76.8 | | 85.2 | 87.7 | 87.7 | - | 87.7 | | | | 87.7 | 87.7 | 87 |
| | | 1. | | 80.0 | | | - | : | - | - | | | : | | | 16 |
| 2000 | | 74. | • | 4 | 65.3 | ~ | | 95.5 | 95.5 | 95.5 | | | 95.5 | | 95.5 | 95 |
| | 9 | 4. | | 85.2 | | 93.6 | 9 | | 9 | 1.96 | | 1.96 | 9 | | | 96 |
| 1500 | .2 | 76. | 84.5 | 87.1 | 'n | • | | 1.86 | 8 | 8 | | 98.7 | 8 | 8 | | 86 |
| - | .2 | 16. | 84.5 | 87.7 | | 96.8 | 6 | | 4.66 | 6 | | 4.66 | 6 | | 4.66 | 66 |
| 000 | .2 | 76.1 | 84.5 | 87.7 | 1.96 | • | 6 | 4.66 | | | | 4.66 | 4.66 | 4.66 | 4.66 | 66 |
| | 14.2 | 16 | 84.3 | 87.7 | 1.96 | 90.0 | 6 | | 4.66 | | | 4.66 | | 4.66 | 4.66 | 66 |
| 88 AI | 14.2 | | 84.5 | 87.7 | 1.96 | 96.8 | 6 | 4.66 | • | | | 4.66 | | 4.66 | 4.66 | 66 |
| | 14.2 | 16. | 84.5 | 1.18 | | 9 | 4.66 | 4.66 | 4.66 | 6 | 4.66 | 7.66 | 6 | 6 | 4.66 | 66 |
| 80 | 14.2 | | 84.5 | 87.7 | 1.96 | 8.96 | | | | | | | | 4.66 | 4.66 | 66 |
| | 14.2 | .9 | 84.5 | 87.7 | | 8.96 | | 6 | 6 | 6 | | • | | 6 | 5.66 | 66 |
| 400 | 4 | 76.1 | 84.5 | 87.7 | 1.96 | 9 | 4.66 | 4.66 | | • | 6 | 4.66 | 6 | 6 | • | 66 |
| | 3 | 16 | 84.5 | 87.7 | 1006 | 96.8 | | | 6 | 7.66 | 6 | 0 | 0 | 10000 | 0 | 001 |
| 300 | 4 | - | 84.5 | 87.7 | 1 96 | 96.8 | | 4.66 | 40.66 | 4.66 | 4.66 | 4.66 | | ċ | 0000 | 00 |
| | 14.2 | 16 | 84.5 | 87.1 | 1.96 | 96.8 | | 4.66 | • | 4.66 | 4.66 | 4.66 | | 100.001 | 0.00 | 001 |
| ١٨١ | 4 | 1 | 84.5 | 87.7 | 96.1 | 8.96 | 30.4 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 | 0000 | 100.001 | 0000 | 00 |

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

93114

0110

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANAS CALIFORNIA

93114

22 HOURS (1.5.7.)

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| (FEET) (FEET) (FEET) | 0 V | 0 . | 2 | 1 2 2 E | 50.00 | 2 2 | ×151 | 1 20 | ≥ 1½ 62.6 | 1 2 3 | A ~ 0 | * 20 | 2 0.0 | 2 20 | 2 % 2 63.2 | V 63 |
|---|----------------|----------|-------|--|-------|-------|----------------|---|--------------|--------|---------|---------|--------|---------|------------|------|
| | 1.1 | 67.7 | mm | co. cc | 64.5 | mm | 65.00 | | 66.5 | 9 9 | 66.5 | 66.5 | 66.5 | | | |
| 1 | 7:1 | | | 58.7 | | in in | 65.00 65.00 | 00 | | 00 | 00 | | 00 | 9 9 | | 67.1 |
| - | # # # # # # | 000 | 3 3 0 | 00- | 200 | 000 | | | 0 | 0 | 0 | | | 6 | | 68.4 |
| 200 000 | | | 000 | | 69.4 | | 69.7 | | | 00- | 70.3 | 7.003 | 70.3 | | 0 | 71.0 |
| 1 | | NN | 2000 | mm | 00 | 0-1 | | | 20 | - 2 | - 70 | -25 | -22 | - 2 | 22 | |
| 3000 3300 | | 58.0 | mma | 69.00 | 20.00 | 1000 | N 0 0 - | | | יר - | | 41.0 | 41.0 | i- 8 - | 78.1 | 78.1 |
| | 2000 | Nac ac c | 75.5 | | or - | 67.73 | 3881.0 | 000000000000000000000000000000000000000 | 82.0 | 882.0 | 89.00 | 82.0 | מס ס מ | 89.0 | | |
| 1 1 | | 0000 | 0000 | ** * * * | | 2000 | | 200 | mm o | m + 0. | m + 0 . | m + 0 . | 94.5 | m + 0 . | 33-1 | 445 |
| | 1000 | | 000 | n en en | mm | | ÷ | 8.96 | | 0 | · | 41.4 | | | | 96 |
| 88 8° | 1.00 | 70.3 | | 2 00 00 00 U RU RU RU C 00 00 00 | 93.0 | 94.2 | | : : : : | 96.00 | | 97.4 | 97.4 | 97.4 | 97.4 | | |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

73-77

ALL HOURS (1 S T , OC 1

Ē

| ERCENTAGE FREQUENCY OF OCCURRENC (FROM HOURLY OBSERVATIONS) | JRRENCE | 4S) |
|---|-------------------------|------------------------|
| | NTAGE FREQUENCY OF OCCI | ROM HOURLY OBSERVATION |

| CEILING | | | | | | | NISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
|------------|------|------|-----------|------|------|------|-------|----------------------------|-----------|------|---------|------|--------|--------|------|-----|
| (FEET) | 2 | 9 | ۲۵ د ک | 4 | e Ai | ≥ 2% | 7 A | V 1% | ¥1 ¥ | - AI | % AI | * | N Z | ≥ 5/16 | AI N | ٨١ |
| NO CEILING | 5 | 42.0 | | 0.65 | 3. | 4. | | 58.6 | | 6 | | | | 6 | | |
| ¥ 20000 | | 43.3 | | | | | 0 | - | | - | • | | | 2. | 62.2 | |
| | | 43.4 | | | 0 | | 0 | - | | - | | | | 2 | | |
| 14000 | | 43.4 | | 51.0 | | - | | 61.4 | | 2. | 2 | | 62.2 | 2. | | 62. |
| | | 43.6 | | | | | 0 | 61.5 | | 3 | | | | 2 | | 62. |
| 12000 | | 44.3 | | | | 8 | - | 62.7 | | | | | | 3 | | 63. |
| 1 | 8 | 45.3 | | | | 0 | 3 | 6.49 | | 5 | 5 | | | 5 | | 65. |
| 900 | 8 | 45.5 | | 53.3 | | 5 | | 4.49 | | * | 5 | | | 2 | | 65. |
| 1 | 0 | 46.1 | | | | 0 | 3 | 0.69 | | 5 | 5 | | | 9 | | .99 |
| 141 | 13.0 | 46.5 | | 54.3 | 0.09 | 61.0 | 3 | 65.7 | 1.99 | . 9 | 66.3 | | | 9 | 8.99 | |
| 1 | 0 | 46.6 | | | | - | 4 | 66.1 | | 9 | 9 | | | | | - |
| 8 8 | 0 | 47.4 | | | | 2 | 10 | 6.99 | | 2 | - | | | 7. | | 0 |
| 1 | 0 | 47.7 | | | | 2 | 5 | 67.2 | | 8 | 8 | | | 80 | | - |
| 1 4 | .5 | 48.6 | | | | 3 | | 68.2 | | | 6 | | | 6 | | - |
| 1 | 9. | 69.8 | | | | 4. | 7. | 69.1 | | 6 | 6 | 10 | | 0 | | : |
| 300 | | 52.7 | | | | | - | 72.0 | | | 3 | | | 3 | | * |
| | 2. | 55.4 | | | | 0 | 4 . | 75.7 | | | 9 | | | .9 | | • |
| 700 | 8 | 58.7 | | | | 5 | 8 | 80.0 | | 0 | 0 | | | - | | _ |
| 1 | 0 | 29.0 | | | | 3 | 6 | 80.5 | | - | : | | | - | | - |
| 200 | - | 65.3 | | | | 0 | * | 86.0 | | | 9 | | | - | | - |
| - | 7 | 62.5 | | | | -7 | 3 | 86.5 | | - | | | | | | m |
| 100 | - | 63.6 | | | | 3 | | 89.7 | | | 0 | | | - | | - |
| | 7. | 63.7 | | | | 3 | 8 | 6.68 | | - | : | | | - | | _ |
| 8 | -: | 63.8 | | | | • | | 4.06 | | - | | | | - | | ~ |
| | 7. | 63.9 | | | 83.2 | | 6 | 91.2 | | 2 | 3. | | | 2. | | - |
| 8 | - | 63.9 | | | | * | 6 | 4.16 | | 2 | 3 | | | 3. | | 93. |
| | - | 63.9 | | | | 5 | 0 | 92.2 | | | * | | | * | | 94. |
| 8 | - | 0.49 | | | | 50 | | 92.3 | | * | 4 | | | | | 95 |
| | 7. | 0.49 | | | | 0 | 0 | 95.6 | | 5 | 3 | | | 5 | | 96 |
| 38 | 16.1 | 0.49 | 70.7 | 15.8 | 83.8 | 101 | 90.06 | 92.7 | 93.6 | 95.3 | 1.56 | 45.7 | 1.96 | 96.1 | | 97. |
| | | 3 | | 15.8 | | | • | 1.76 | | 8 | 0.96 | | | 9 | 97.8 | 98. |
| 0 | | 3 | | | | | | 92.7 | | | 9 | | | 9 | 97.4 | 000 |

TOTAL NUMBER OF OBSERVATIONS

-

SMOS DIRNAVOCEANMET

0

1111

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 WOUNS (1.8.7.) NON

=

| CEILING | | | | | | | VIS | IBILITY (ST. | VISIBILITY (STATUTE MILES) | (53) | | | | | | |
|------------|------|---------|------|------|------|------|------|--------------|----------------------------|---------|---------|------|---------|--------|------|------|
| (FEET) | 5 | ۰ ۸۱ | 8 1 | 71 | R AI | 7 2% | 2 4 | V1 V | ¥1 Y | - AI | % Al | * | % Al | ≥ 5/16 | Z AI | 0 1 |
| NO CEILING | 0.3 | | 1.09 | 62.0 | 65.3 | 0 | 6.69 | 6.69 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| N 20000 | 8.0 | | | 0.49 | 67.3 | 68,7 | 71.3 | 71.3 | - | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| | 8.0 | | | 0.49 | 67.3 | | 71.3 | 71.3 | 11.3 | 71.3 | 11.3 | 11.3 | | 71.3 | 71.3 | 71.3 |
| 14000 | 8.0 | 58.7 | | 0.49 | 67.3 | 68.7 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| | 0.0 | | | 0.49 | 67.3 | 68.7 | 71.3 | 71.3 | | 71.3 | 71.3 | 71.3 | | | 71.3 | 71.3 |
| 12000 | 0.3 | | | 04.7 | 68.0 | 66.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 1 | 0.9 | | | 65.3 | 1.89 | | | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 000 | 8.0 | | | 65.3 | 68.7 | 70.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| | 8.0 | | | 65.3 | 68.7 | | | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 7000 | 8.0 | | | 68.3 | 68.7 | | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 1 | 6.0 | | | 6.3 | 68.7 | | | 72.7 | 72.7 | 72.7 | | 72.7 | 72.7 | 12.7 | 72.7 | 72.7 |
| 2000 | 8.0 | | | 65.3 | 68.7 | 70.0 | 72.7 | 72.7 | 72.7 | 72.7 | | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| | 0.0 | | | 65.3 | 68.7 | 0.0/ | 72.7 | 72.7 | | | | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 4000 | 8.0 | | | 0.99 | 69.3 | • | | 73.3 | 3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| | 0.0 | | | 1.99 | • | | | | 3 | | * | ; | | | • | 74.0 |
| 3000 | 8.7 | | | 67.3 | 70.7 | 72.0 | 75.3 | 75.3 | | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 1 | 8.7 | | | 0.86 | 71.3 | | | 76.0 | .0 | | 76.0 | 16.0 | | 9 | .0 | 76.0 |
| 1 2000 | 9.3 | | | 72.0 | 76.0 | 77.3 | ò | | 0 | 80.7 | | 0 | | 0 | 80.7 | 80.7 |
| | 10.0 | | | 72.7 | 76.7 | 000 | 81.3 | 81.3 | - | | 81.3 | 81.3 | - | 81.3 | 81.3 | 81.3 |
| 1500 | 10.0 | | | 16.0 | 80.7 | 85.0 | 5. | | | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| | 10.0 | | | 78.0 | 2. | * | 67.3 | • | 1. | | • | | | | 87.3 | |
| 1000 | 10.0 | | | 19.3 | 84.0 | | 6 | 89.3 | • | 6 | 89.3 | 6 | | | 89.3 | |
| | 10.0 | | | | 84.7 | | | | 0 | 0.06 | | | 0.06 | 0.06 | 0.06 | 0.06 |
| 8 | 10.0 | | | 80.0 | 84.7 | 86.7 | 40.1 | 40.1 | 0 | | 2.06 | 2006 | 0 | | 40.1 | 90.7 |
| | 10.0 | | | 80.0 | 84.7 | 86.1 | 61.3 | 91.3 | 61.3 | - | | 91.3 | 91.3 | - | | 91.3 |
| 8 | 10.0 | | | 80.0 | 84.7 | 86.7 | 95.0 | 0.26 | 5. | | | | 2 | 95.0 | 95.0 | 92.0 |
| | 10.0 | | | 80.0 | 85.3 | 67.3 | 92.7 | | 3. | 93.3 | 63.3 | | _ | 93.3 | 63.3 | 93.3 |
| 8 | 10.0 | | 70.7 | 80.0 | 85.3 | 67.3 | 92.7 | 93.3 | • | 63.3 | | 63.3 | _ | 93.3 | 93.3 | 93.3 |
| | 10.0 | 71. | 16.7 | 0.08 | 85.3 | 67.3 | 92.7 | 93.3 | 93.3 | 93.3 | 63.3 | 93.3 | _ | 93.3 | 0.46 | 0.76 |
| 38 | 10.0 | 7. | 76.7 | 80.0 | 85.3 | 87.3 | 92.7 | 93.3 | 63.3 | 63.3 | 93.3 | 63.3 | _ | 0.76 | 24.7 | 0.96 |
| | 10.0 | | 16.1 | | 85.3 | 67.3 | 92.7 | 63.3 | 63.3 | 63.3 | 63.3 | | 0.46 | 100 | 1.76 | 46.7 |
| ١٨١ | 10.0 | 71.3 | 76.7 | 80.0 | 85.3 | 87,3 | 92.7 | 63.3 | 63.3 | 93.3 | 93.3 | 63.3 | 0.46 | 0.46 | 4.1 | 0000 |

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 HOURS (1 8 T) NON

118

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
|------------|------|---------|------|------|------|------|------|----------------------------|-----------|------|---------|------|------|--------|------|---------|
| (FEET) | 01 × | o Al | S AI | 4 | N AI | 2 2% | N AI | 77 77 | × × | Ā | % Al | * | Z Al | ≥ 5/16 | × Al | 0 Al |
| NO CEILING | 6.6 | 56. | | 0 | 63.3 | 0.40 | | | 1.40 | 0.99 | 0.99 | 0.00 | 0.00 | 0.99 | 0.00 | 66. |
| 20000 | 5 | 0 0 | 0 | · | 1 | | 6 | | • | - | : | - | : | : | : | 0000 |
| 00081 V | 000 | | 000 | 200 | 2 | 9 0 | 000 | 9 | 000 | 200 | 67.3 | 67.3 | 67.0 | 67.3 | 67.2 | 8 |
| | 0 | 58 | 0 | 0 | | 1 | 9 | 0 | | | | | 61.3 | | : | 68.0 |
| 12000 | 10.0 | 58 | 0 | 62.0 | 64.7 | 5 | 0.99 | 0.99 | | | 67.3 | 67.3 | 67.3 | | 67.3 | 68.0 |
| | 10.0 | 58. | 0 | | 64.1 | | | 0 | | - | 61.3 | - | 61.3 | | 61.3 | 68.0 |
| 0006 | 10.0 | 58 | 40.1 | 62.0 | 64.7 | 65.3 | 0.99 | 0.99 | 0.99 | | 67.3 | - | 67.3 | - | - | 68.0 |
| | 10.0 | 58 | 0 | • | 1.49 | 3 | | | | | 67.3 | | 61,3 | • | 61.3 | 68.0 |
| 7000 | 10.0 | | 2.09 | 65.0 | | 3 | 0.99 | | 0.99 | - | - | | 67,3 | - | - | 68.0 |
| 1 | 10.0 | | 0 | 65.0 | 1.49 | 65.3 | | 0 | | : | 61.3 | | 61,3 | | 67.3 | 68.0 |
| 2 3000 | 10.0 | | 60.7 | 2 | | 5 | .0 | • | | - | 1. | | | - | - | 0.89 |
| 1 | 10.0 | 58.0 | 0 | | | | | • | | : | 67.3 | | 61.3 | | | 0.89 |
| 141 | 10.0 | 80 | - | | 3 | .9 | ; | • | | | 8 | | 0.89 | 8 | | 68.7 |
| 1 | 10.0 | 1 | - | | 0 | | | | | | 80 | | | 8 | | 69.3 |
| 3000 | 10.0 | | 63.3 | 64.7 | 68.0 | 60 | | | | 0 | | | 70.7 | 0 | 0 | 71.3 |
| 1 | 10.0 | 1 | 2 | 6 | 0 | | | 7 | | 3 | | | | 33 | | 74.0 |
| 1 2000 | 10.0 | | | 71.3 | 76.0 | 9 | 77.3 | - | | | | | | | 8 | 79.3 |
| 1 | 10.0 | | | 2 | 0 | 17.3 | 8 | 78.0 | | | 5 | | | 6 | 6 | 80.0 |
| 1500 | 10.0 | | | 75.3 | | 0 | - | -: | | 2 | è | | 2 | 2 | 5. | 83.3 |
| | 10.0 | | | 9 | - | 2. | | 7 | | * | | | 34.0 | | • | 84.7 |
| 1000 | 10.0 | 70.0 | 74.7 | 77.3 | 2. | | | 84.0 | | 5 | 85.3 | | 2 | | 85.3 | 86.0 |
| | 10.0 | 10.1 | • | • | 82.1 | • | | * | | 9 | | • | 86.0 | 9 | 9 | 86.7 |
| 00 Al | 10.0 | 70.7 | 75.3 | 78.0 | | * | . 9 | 86.7 | | 8 | * | | 2 | 8 | | 88.7 |
| | 10.0 | 70.7 | | 78.0 | | 85.3 | | | | 8 | | | 88.7 | EC | | 89.3 |
| 8 | 10.0 | 70.7 | 75.3 | 78.0 | 84.7 | | | * | | | 6 | | | 89.3 | • | 90.0 |
| | 10.0 | 70.7 | | 78.7 | | | 3 | 88.7 | | | | | | | ò | 91.3 |
| 1 1 | 10.0 | 70.7 | | 78.7 | 5 | | | 88.7 | 89.3 | | 0 | | 7.06 | | 0 | 91.3 |
| 1 | 10.0 | 10.7 | 16.0 | 78.1 | | 86.1 | | 40.1 | | 93.3 | 63.3 | 63.3 | 93.3 | 93.3 | 63.3 | 0.96 |
| 1 200 | 10.0 | 70.7 | ¢ | 78.7 | 0 | | 0 | 106 | - | | 3 | | 93.3 | | | 95.3 |
| VI 80 | 0 | 70.7 | 70.0 | 78.7 | 86.0 | 86.7 | 0.06 | 1.06 | 91.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 95.3 |
| - 1 | 10.0 | 10.1 | 0 | 0 | 9 | 000 | o | 30. | - | 93.3 | • | • | 13.3 | 73.5 | | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07 HOURS (1.5.T.) NON

| | 0 1 | 100 | 18.7 | 6.6 | 10.0 | 1.3 | 2.0 | 15.7 | 7.2 | | | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 76.0 | 18.7 | 12.7 | 3.3 | 4.7 | 5.3 | 7.3 | | 6.61 | 0.0 | 11.3 | 1.3 | 1.3 | 3.3 | 3.3 | 15.3 | 0.0 |
|----------------------------|----------|------------|---------|------|---------|------|---------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 29 | | 0 | | n | | 3 | 0 | 0 | | .7 7 | | | | | | | 0 | 0 | . 7 | 0 | . 4 | | . 4 | .7 8 | .3 | | 6 1. | 6 1. | 6 1. | .7 | .3 | 010 |
| | ٨١ | 09 0 | _ | 9 | 1 69 | | 17 / | - | - | - | - | - | | - | 72 | | 7 75 | _ | _ | | 8 | 84 | 86 | 80 | 0 88 | 88 | 90 | 06 (| 06 0 | 26 (| 95 | 6 | 96 |
| | > 5/16 | 000 | - | | 0 | 70.0 | 0 | - | - | • | 2. | 2 | 2 | | 2 | 2. | 74.7 | | - | 2. | 3 | * | 9 | 86. | 8 | 88 | 0 | 0 | .0 | 2. | • | 92.0 | 2 |
| | × AI | 0.09 | | 0 | 68.7 | | | | 71.3 | | 72.0 | 7 | 72.0 | | 72.0 | 12.0 | 74.7 | | 81.3 | 82.0 | 83.3 | 0.48 | 86.0 | 86.0 | 88.0 | | | | | 0.26 | 2. | 0.76 | 7 |
| | ¥ ∧i | 6 | 0 | | 0.89 | | | | | | 71,3 | | | | | | | | 80.7 | 81.3 | | | | 85.3 | - | 88.0 | 89.3 | | 89.3 | 1.06 | 2.06 | 1.06 | 0 |
| | % AI | 59.3 | 9 | | 0.89 | | 0 | | 70.7 | - | 71.3 | - | 71.3 | : | 71.3 | - | 0.47 | 16.1 | 80.7 | 81.3 | 82.7 | 83.3 | 85.3 | 85.3 | | 0.88 | 89.3 | 89.3 | 86.3 | 1.06 | | 1.06 | |
| (S | ~ | 59.3 | | | 67.3 | 68.7 | 69.3 | 10.0 | 10.0 | 7007 | 70.7 | 10.1 | 70.7 | 1001 | 70.7 | 1001 | | | 0 | | 82.0 | 82.7 | | 84.7 | 86.7 | 86.7 | 87.3 | 87.3 | 87.3 | 88.0 | | 88.0 | |
| TUTE MILE | VI 2. | | | .9 | • | 22 | 69.3 | | 0.07 | 70.7 | 70.7 | 10.7 | 70.7 | 10.7 | 70.7 | 10.7 | 73.3 | | 80.0 | 80.7 | 82.0 | 82.7 | 84.7 | 84.7 | 86.7 | 86.7 | 87.3 | 87.3 | 67.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| VISIBILITY (STATUTE MILES) | VI % | | | 9 | | • | 68.7 | 69.3 | 6.69 | | 70.07 | | 10.0 | | 70.0 | | | 75.3 | | 0.08 | 81.3 | 85.0 | 84.0 | 0.48 | 85.3 | 85.3 | 86.0 | | 86.0 | 0.08 | 0.98 | 86.0 | 86.0 |
| VISII | 7 7 | 8 | | . 9 | | | 58.7 | 69.3 | 69.3 | 0 | 70.0 | | ċ | 0 | 70.0 | 0 | 72.7 | | 79.3 | | 81.3 | 82.0 | 84.0 | 84.0 | 85.3 | 85.3 | 86.0 | 86.0 | 96.0 | 86.0 | 86.0 | 0.99 | 36.0 |
| | 2 2 % | 58.0 | | | 65.3 | | 67.3 | 0.80 | | 68. | 68.7 | 1.89 | | 00 | 68.7 | | - | 0.41 | | 0.8/ | | | 81.3 | 81.3 | 82.0 | 050 | 82.0 | 82.0 | 82.0 | 82.0 | | 82.0 | |
| | ⊗ AI | 26.7 | 3 | 3. | | 65.3 | | 1.99 | 1.99 | | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 70.0 | 72.1 | 16.0 | 1001 | 78.0 | 78.7 | 80.0 | 80.0 | 80.7 | 80.7 | 80.7 | 80.1 | 1.08 | 80.1 | | 80.1 | 80.7 |
| | 4 | 4. | 2.09 | 61.3 | 62.0 | 63.3 | 0.49 | 64.7 | | | 65.3 | | | | 65.3 | 65.3 | 68.0 | 10.7 | 74.0 | 0.47 | 75.3 | 5.3 | 75.3 | 15.3 | 16.0 | 0.97 | 16.0 | 0.9/ | 76.0 | 0.97 | 16.0 | 0.97 | 16.0 |
| | \$ 41 | 52.7 | • | | | | • | 62.7 | 62.7 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 0.99 | | 72.0 | | 73.3 | 13.3 | | 73.3 | 14.0 | 0.4 | 14.0 | 0.47 | | 0.47 | 74.0 | 0.4/ | 74.0 |
| | 9 Al | | | | 57.3 | | | | | | 60.7 | | | | | | 63.3 | | | | | | | | | | | | | | 71.3 | | |
| | 2 | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24.0 | | |
| CEILING | (FEET) | NO CEILING | × 20000 | | 7 16000 | | 2 12000 | | 000 | | 2000 | | 2000 | | 000 | | 3000 | | 7000 | | 8 | - | 000 | | 8 | | 8 | | 8 | | 38 | 8 4 | 0 |
| | | Ž | | _ | | | _ | | | | | _ | _ | | | | | _ | | | | | | | | L | | | | | | | |

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

10 SHUGH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| Moretinista 22.0 49.3 52.0 54.7 57.3 58.0 60.7 61.3 62.0 64.0 64.0 64.0 64.0 64.7 65.3 52.0 54.0 57.3 64.0 64.7 67.3 68.0 68.7 70.7 70.7 71.3 72.0 22.0 23.3 54.7 56.0 64.7 64.3 68.0 68.7 70.7 70.7 71.3 72.0 22.0 23.3 54.7 54.0 61.3 64.0 64.7 67.3 68.0 68.7 70.7 70.7 71.3 72.0 | CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES | ATUTE MILI | (\$) | | | | | | |
|---|------------|-----|------|------|------|----|------|------|---------------------------|------------|------|------|------|------|------|-------|------|
| 23.3 54.0 57.3 66.7 63.3 66.7 67.3 68.0 64.0 64.0 64.0 64.0 64.0 64.0 717.7 17.7 17.7 17.2 17.2 18.00 23.3 54.7 58.0 61.3 64.0 64.7 67.3 68.0 68.7 70.7 70.7 70.7 71.3 72.1 18.00 23.3 54.7 58.0 61.3 64.0 64.7 67.3 68.0 68.7 70.7 70.7 70.7 71.3 72.1 17.2 17.2 17.2 17.2 17.2 17.2 17.2 | (FEET) | | | | | | | 10.0 | | | - AI | | | | | AI | 1 |
| 23.3 54.0 57.3 66.7 63.3 64.0 66.7 67.3 68.0 68.7 70.7 70.7 71.3 72.1 13.2 12.1 13.000 23.3 54.7 58.0 61.3 64.0 64.7 67.3 68.0 68.7 70.7 70.7 71.3 72.3 72.1 13.3 72.1 13.3 72.1 13.3 73.3 54.7 58.0 61.3 64.0 64.7 67.3 68.0 68.7 70.7 70.7 70.7 71.3 72.3 72.1 13.3 73.3 54.7 57.3 68.0 58.7 70.7 70.7 70.7 71.3 72.3 72.1 13.3 73.3 74.0 74.1 14.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15 | NO CEILING | 22 | 6.65 | 52. | | 1: | 00 | | | 2 | | | | 1:49 | 65.3 | | 65 |
| 23.3 54.7 58.0 61.3 64.0 04.7 67.3 68.0 68.7 70.7 70.7 70.7 71.3 72.3 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 | > 20000 | 23 | 54.0 | 57. | 0 | 3 | * | | | 8 | 0 | | ò | | 71.3 | 71.3 | 71. |
| 10000 24.7 58.0 61.3 64.7 65.0 64.7 67.3 68.0 68.7 70.7 70.7 70.7 71.3 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9 | | 19 | 54.7 | 58. | | * | 4 | - | | 0 | | 10.1 | 10.1 | 71.3 | 72.0 | | 72.0 |
| 24.7 57.3 60.7 64.0 66.7 67.3 70.0 77.1.3 73.3 73.3 73.3 75.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72 | | (1) | 54.7 | 53. | - | | 1000 | - | 8 | | 70.7 | | | 71.3 | • | 72.0 | 72.0 |
| 26.7 58.0 61.3 64.0 66.7 67.3 70.0 70.7 71.3 73.3 73.3 73.3 73.3 74.0 74. 26.7 58.0 61.3 64.7 68.0 68.7 71.3 72.0 72.7 74.7 74.7 74.7 74.7 74.7 75.3 76. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.7 77. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.7 77. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.7 77. 26.0 50.0 63.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.7 77. 26.0 50.0 63.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.7 77. 26.0 50.0 63.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.7 76.7 76.0 76.0 76.7 77. 26.0 50.0 63.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76 | | 5 | 56.0 | 59. | - | 3 | | 00 | 69.3 | 10.0 | 72.0 | | 72.0 | 72.7 | | 3 | 73. |
| 24.7 58.0 61.3 64.7 68.0 68.7 71.3 72.0 72.7 74.7 74.7 74.7 75.3 76. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.1 77.7 77. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.1 77. 26.0 60.0 63.3 66.7 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.1 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 76.0 76.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 | | 3 | 57.3 | .09 | * | 9 | | 0 | | | 73.3 | | | 74.0 | | 74.7 | 74. |
| 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.7 77. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.7 77. 26.0 50.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.7 77. 26.0 50.0 50.0 69.3 62.7 66.0 71.3 70.0 70.0 72.7 73.3 74.0 76.7 76.0 76.0 76.0 76.7 77. 26.0 50.0 50.0 67.3 66.7 70.0 70.0 70.0 76.7 75.3 77.3 77.3 77.3 77.3 77.3 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 | | 3 | 58.0 | 61. | 3 | 20 | | | 72.0 | | 76.7 | | 1 | 13.3 | | 0 | 76.0 |
| 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.7 77. 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.7 77. 26.0 50.0 63.3 62.7 66.0 69.3 70.0 72.7 73.3 74.0 76.0 76.0 76.0 76.0 76.7 77.3 78. 26.0 60.0 63.3 62.7 66.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 76.7 77.3 78.0 78. 26.0 60.0 61.3 64.7 67.0 70.7 72.3 74.0 76.3 76.0 78.0 78.0 78.7 79.3 80. 26.0 60.0 71.3 74.7 75.3 76.0 76.3 76.0 78.0 78.0 78.0 78.7 79.3 84. 28.0 26.0 60.0 71.3 74.7 75.3 76.0 72.3 80.0 80.0 82.0 82.0 82.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86 | | -5 | 200 | 61. | | 80 | | | | | 74.7 | | 74.7 | . • | | 76.0 | 76. |
| 7000 26.0 59.3 62.7 66.0 69.3 70.0 72.7 73.5 74.0 76.0 76.0 76.0 76.7 77.3 78. 26.0 59.3 62.7 64.0 69.3 70.0 72.7 73.5 74.0 76.7 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.5 74.0 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76 | 1 | 0 | 59.3 | 62. | | 6 | | | | | | | 1 | | | | |
| 26.0 59.3 62.7 66.0 70.7 71.3 74.0 74.7 76.7 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 76.7 76.7 76.7 76.7 76.7 77.3 78. 26.0 60.0 63.3 66.7 70.0 70.7 71.3 74.0 74.7 75.3 77.3 77.3 77.3 77.3 77.3 78. 26.0 60.0 61.3 64.7 68.0 71.3 72.0 74.7 75.3 76.0 78.0 78.0 78.0 78.7 79. 26.0 61.3 64.7 68.0 71.3 72.0 72.1 75.3 76.0 80.0 80.0 82.0 82.0 82.0 82.0 80.0 80 | | 9 | 39.3 | 62. | .0 | 0 | | | | | 9 | 9 | | | | 77.3 | 77. |
| 26.0 60.0 63.3 66.7 70.0 70.7 73.3 74.0 74.7 76.7 76.7 76.7 76.7 77.3 77.3 77.3 78. 26.0 60.7 64.0 67.3 70.7 71.3 74.0 74.7 75.3 76.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78 | 1 | 0 | 59.3 | 62. | | 6 | | | | 3 | 9 | 9 | | | 77.3 | 77.3 | 11. |
| 26.0 61.3 64.7 68.0 71.3 72.0 74.7 75.3 77.3 77.3 77.3 77.3 77.3 77.3 77 | | 0 | 0.09 | 63. | 0 | 0 | | | | * | | | | | 00 | | 78. |
| 26.0 61.3 64.7 68.0 71.3 72.0 74.7 75.3 76.0 78.0 78.0 78.0 78.7 77.3 80.0 26.0 62.0 62.0 62.0 62.0 62.0 62.0 6 | 1 | 0 | 60.7 | 64. | | 0 | | 74.0 | | | | - | | | | | 78. |
| 26.0 62.0 65.3 68.7 72.0 72.7 75.3 76.0 76.7 78.7 78.7 78.7 79.3 80.0 82.0 82.0 82.0 82.0 82.7 83.3 84. 27.3 65.3 68.7 72.0 75.3 76.0 79.3 80.0 80.7 82.7 82.7 82.7 83.3 84. 25.0 68.0 71.3 74.7 78.0 78.7 82.0 80.7 82.7 82.7 82.7 82.7 83.3 84. 28.0 68.0 71.3 74.7 78.0 78.7 82.0 82.0 80.7 82.7 82.7 82.7 82.7 82.7 82.8 85.3 85.3 85.3 85.3 85.3 85.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86 | | 9 | 61.3 | 64. | | - | | 74.7 | | | | 8 | | | | 79.3 | 79. |
| 26. 7 64.7 68.0 71.3 74.7 75.3 78.7 79.3 80.0 82.0 82.0 82.0 82.7 83.3 84.2 85.3 65.3 68.7 72.0 75.3 76.0 79.3 80.0 80.7 82.7 82.7 82.7 82.7 82.3 84.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85 | 1 | 9 | 62.0 | 65 | | | 12.7 | | | 9 | | | | | 0 | | 80.0 |
| 280 28.0 68.0 71.3 74.7 78.0 75.3 76.0 79.3 80.0 80.7 82.7 82.7 82.3 84.3 84.8 85.3 85.3 85.3 85.3 86.0 86.0 1500 28.0 68.0 71.3 74.7 78.0 78.7 82.0 82.7 83.3 85.3 85.3 85.3 85.3 85.3 85.0 86.0 1800 28.0 68.0 72.0 75.3 78.7 78.7 82.0 83.3 86.7 87.3 88.0 90.0 90.0 90.0 90.7 91.3 92.1 1300 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 92.3 93.3 93.3 94.0 94.0 90.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.0 94.7 95.3 93.3 93.3 94.0 94.0 90.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.0 96.0 96.0 97.3 98.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | | 0 | 64.7 | 68. | 71.3 | | | | | 0 | 3 | | 2 | 2. | 3 | | 83. |
| 28.0 58.0 58.0 72.0 75.3 78.7 78.7 82.0 82.7 83.3 85.3 85.3 85.3 85.0 86.0 86.0 86.1 87. 87. 85.3 85.0 58.0 86.0 86.0 86.0 86.0 86.1 87. 87. 87.3 88.0 58.0 59.0 90.0 90.7 91.3 92.0 58.0 59.3 74.7 78.7 82.0 83.3 87.3 88.0 88.7 90.7 90.7 90.7 90.7 91.3 92.0 58.0 59.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94.0 96.0 58.0 59.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 92.7 93.3 93.3 94.0 96.0 96.0 58.0 58.0 59.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96 | 1 | - | 65.3 | 68. | 72.0 | 5 | 9 | 0 | | | 2 | 2 | | 3. | . 4 | | 84. |
| 1300 28.0 68.0 72.0 75.3 78.7 79.3 82.7 83.3 64.0 86.0 86.0 86.0 86.7 87.7 1900 28.0 69.3 74.7 78.7 82.0 83.3 86.7 87.3 88.0 90.0 90.0 90.0 90.0 90.0 91.3 92.0 28.0 69.3 74.7 78.7 82.0 64.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94.0 94.0 28.0 69.3 74.7 78.7 82.0 64.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.0 95.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96 | | 00 | 0.89 | 71. | | 8 | 8 | | | | 9 | | 85.3 | 9 | 9 | | 86. |
| 28.0 69.3 74.7 78.7 82.0 83.3 86.7 87.3 88.0 90.0 90.0 90.0 90.7 91.3 92. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 | 1 | 00 | 0.89 | | 15.3 | | 19.3 | | 83.3 | | 69 | 0 | | 0 | 87.3 | 87.3 | 87. |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.7 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 | | 00 | 69.3 | | | 2 | 83.3 | | | 8 | 0 | 0 | | 0 | 91.3 | 91.3 | 16 |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.3 93.3 93.3 94.0 94. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 | 1 | 30 | 59.3 | | 78.7 | 2 | | | | 80 | | 0 | 1.06 | : | 2 | | 92. |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.0 90.7 92.3 93.3 93.3 94.0 94.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.3 96.0 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96.0 96.0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 | | 100 | 69.3 | | | 2 | 4 | | 0 | 0 | | 3 | 3 | * | | * | . 76 |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 95.0 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 | | 00 | 69.3 | - | 18.7 | 3 | 4 | | 0.06 | | | 3 | 93.3 | | | 1.46 | . 76 |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 | | 00 | 69.3 | - | | 2. | * | | 40.7 | 2 | 4 | i | | | | 1006 | 96 |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.0 96.0 96.0 96.0 96.0 97.3 98. 100 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98. | | 00 | 69.3 | - | 78.7 | 2 | 4. | 00 | 60.7 | 2 | 1 | 2 | | | | 1.96 | 96 |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 96.7 97. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98. 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98. | | 00 | 69.3 | | | 2. | 3 | 00 | 1.06 | 2 | | ċ | | | | 1006 | 96 |
| 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 95.3 95.3 96.0 96.0 96.2 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 96.7 97.3 98.10 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98.10 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98.10 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98.10 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98.10 | | 00 | 69.3 | | 78.7 | 2. | 4 | 00 | 1.06 | 2. | 1.56 | 3 | 65.3 | 0 | 96.1 | 1096 | .96 |
| 200 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 96.7 97.3 98. 100 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98. 100 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 96.0 97.3 98. | | 80 | 69 | 74.7 | | 2. | • | | 1.06 | 2 | | 5 | | | 1.96 | | 96 |
| 28.0 69.3 74.7 78.7 82.0 84.0 58.7 90.7 92.0 94.7 96.0 96.0 97.3 98. | 1 | 30 | 69 | 14.7 | 78.7 | 2. | * | | 1.06 | 2 | 1.56 | 0 | | | 6.16 | 0.86 | 98. |
| 100 28.0 59.3 74.7 78.7 82.0 84.0 58.7 90.7 92.0 94.7 96.0 96.0 97.3 98. | | 00 | 69 | 74.7 | 78.7 | 5. | . 4 | | 1.06 | 5 | | 9 | • | 61.3 | 8 | | 66 |
| 0 28.0 69.3 74.7 78.7 82.0 84.0 88.7 90.7 92.0 94.7 96.0 95.0 97.3 98. | - | D | 69 | 14.7 | 000 | 5. | . 4 | | | 2 | 2.70 | 0 | 9 | • | 000 | 8.7 | 0 |
| | | 00 | 66 | 74.7 | 00 | 2. | 4 | | | 2 | | 0 | 0 | - | | 98.71 | 000 |

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 VON

1880

| CELLING CELL | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | V | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | V 1000 C C C C C C C C C C C C C C C C C | 24 24 24 24 24 24 24 24 24 24 24 24 24 2 | 94 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 27 - 1 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 | 88 5 7 7 9 8 8 8 7 7 9 8 8 9 7 7 9 8 8 9 9 7 7 9 9 9 9 | NSSRILTY (STATUTE MILES) Y 2 1% Y 2 1% Y 2 1% Y 2 2 4 3 3 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | VI W 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | * 4 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | V 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 8 | 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
|--|--|--|---------------------------------------|--|--|--|--|--|---|--|---|---|---|---|--------|
| | 288.7.28.7.28.7.7.88.7.7.7.88.7.7.7.88.7.7.7.88.7.7.7.88.7.7.7.7.88.7.7.7.88.7.7.7.7.7.88.7 | 22 | 70.00 | 000000 | | | NNNNNN | 000000 | 96.7 96.7 96.7 96.7 | 96.1 96.1 96.1 | 00000000 | | 000000000000000000000000000000000000000 | | 000000 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 NON

100

0

TOTAL NUMBER OF OBSERVATIONS

150

89.3 89.3

88.7 88.7

88.0

88.

88.0

86.0 86.0

96.0

80.0

15.3

86.0 86.0

80.0

75.3

12.0

200

AI AI

72.0

88.0

86.0

86.0

80.0

0.88

0.88

0.99

96.0

68.0

38.0

0.98

88.0

86.0

86.0

80.0

75.3

72.7

12.0 12.0

900

AI AI

80.0

75.3

72.7

0.71

88.0

88.0 89.3

88.0 89.3

86.0

86.0

60.0 81.3

75.3

72.7

76.7

12.0

4500

ALAI

87.3 69.3

87.3

88.7

88.7

88.0

89.3

88.7 88.7

88.7

88.0 88.0

88.7

88.7

88.0

88.0

87.3

85.3 89.3

88.7

88.7 88.7

88.0

88.7

88.0

200 202

CEILING VERSUS VISIBILITY

MONTH 61

HOURS (L S T.)

88.0

87.3

VI VI

2 5/16

2 ٨١

*

7

AI

\ \ \ \

71

1 2%

Al M

۸۱

N Al

٨I

٨I

(FEET)

NO CEILING

2000 1

VISIBILITY (STATUTE MILES)

88.0

87.3

87.3

86.7 87.3

88.0

88.0

87.3

87.3

85.3

85.3

19.3

14.1

72.0 72.0

12.0

84.7

78.7

74.0

71.3 11.3

12.0

VI VI 0008 1 VI 0009 1 VI

74.0

85.3

79.3 80.0

74.7 75.3

12.0

Y 1 Y 12000

72.7 72.7 72.7 72.7

12.0

86.7

87.3

86.7 86.7

36.7

86.7

84.7

74.0

82.0

87.3

87.3

86.7

86.7

86.7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

87.3 88.0 95.3 98.0 0.88 92.0 88.0 88.0 88.0 89.3 0.96 0.86 88.0 88.0 96.7 87.3 88.0 61.3 93.3 0.86 86.7 96.7 96.7 86.7 96.7 0.96 98.0 63.3 88.0 88.0 88.0 88.0 88.0 89.3 89.3 7.96 98.0 88.0 88.0 91.3 91.3 92.0 92.0 95.3 95.3 86.7 86.7 96.7 96.7 96.7 87.3 88.0 0.86 88.0 88.0 88.0 88.0 0.96 0.86 87.3 88.0 93.3 97.3 96.0 7.96 7.96 7.96 0.86 0.88 0.86

0.26

92.0

90.0 91.3 93.3

0.06

83.3

89.3

83.3

78.7 78.7

16.0 74.0

12.1

76.0

12.7

3000

AI AI

93.3

93.3 95.3

91.3

61.3

95.3

0.96 96.7 96.7

0.96

0.46

0.46

86.7

82.0

6.61

12.

12.7

1500

AI AI

78.7

63.3

86.0 84.

6116

80.0 81.3

17.3

12.

2000

AI AI

7.96

94.7

7.46

87.3

80.0 82.7

96.7

1.56 94.7

46.7

98.0 0.86

0.86 0.86

97.3

97.3

98.0

6.76

97.3

7.96 7.96

97.3

97.3

96.7

0.86

6.76

61.3

7.86

98.0

0.86

6.76

€ 66 66.3

98.7 98.7

98.7

0.86

0.86

0.96

95.3 95.3

67.3

80.0 82.7

12.7

88

80.0

80.0 82.7

0.96

97.3

81.3 0.86 0.86 0.86

98.3

96.7 96.7

7.06

1.55

1.56 1.46

87.3 87.3

82.7

12.7

88

AI AI

94.7 94.

87.3

82.7

80.0 80.0

87.3

80.0 82.7

12.7 12.7

900

AI AI

98.0 98.7

98.0

98.0 98.0

0.86

0.96

95.3

87.3

80.0

12.

88

0.86 0.85

0.96 0.96 0.96

95.3

80.0

88

ALA

95.3

98.0

0.86

0.86

0.86

98.0

98.0 98.0

0.86

0.96

95.3

80

0.86

97.3

61.3

96.7

96.7

96.7

0.96

0.96

95.3

0.96 1.96

96

1.46

0.46

0.46

93.3

93.3

92.7

45.7

92.0

90.7

90.7

0.06 95.0

0.06

89.3

95.0

616

92.7

89.3

88.0 88.7 88.7

TOTAL NUMBER OF OBSERVATIONS

150

1111

8.66

66.3

DIRNAVOCEANMET

93114

Till Salar

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CALIFORNIA

SANTA ANAS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (1.5.T.) NOV

| | 0 | 8.7 | 1.3 | . 3 | 1.3 | 0.2 | 2.0 | 2.0 | 2.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.3 | 4.7 | 5.3 | 8.7 | 3.7 | 2.0 | 2.7 | 4.7 | 4.7 | 0.9 | 2.1 | 7.3 | 8.0 | 0.6 | 8.7 | 3.7 | . 3 | 0.0 |
|----------------------------|---------|------------|---------|------|---------|-----|----------|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|------|------|-----|-------|-----|------|------|------|-----|------|-----|-----|-----|------------|
| | | F | 3 | 8 | 3 | 00 | 0 8 | 30 | | | | | 7 8 | | | 80 | 7 8 | 00 | | 00 | | 6 | 6 2 | 0 | • | 0 | | 0 | 0 | | 0 | 0 | 010 |
| | AI | 8 | 81. | 81. | 31. | | • | | 3 | 82. | 82. | | 82. | | 82. | 3 | | | | | 92. | 12. | . * 6 | 96 | • | | 1. | | | 98. | 8 | | 98. |
| | 9 | | 2 | 6 | 3 | 0 | 0 | | 0 | - | 7 | - | - | - | - | 3 | | 3 | - | - | 0 | - | | | 0 | - | 3 | _ | _ | _ | | 0 | 0 |
| | 2 5/16 | 8 | 81 | 81 | 81 | | 2 | 82 | 2 | 82 | 82 | 82 | 82 | 82 | 82 | 83 | 84 | 85 | 88 | 88 | 26 | 92 | | | 0 | | 97. | | | | | 86 | 86 |
| | 2 | 1:0 | 1.3 | | | | 5.0 | | | | 2.7 | | | | | | | | | | | 2.7 | 1.1 | 4.1 | | | 2.3 | | | | | 0. | 0. |
| | ٨١ | - | 30 | 3 | 8 | 80 | C | | 00 | | 4 | | 2 | | 8 | 8 | 8 | | | | 6 | | 6 1 | | | 6 | 0 | 0 | 60 | 6 | 0 | 6 | 6 |
| | * | 18. | 81. | - | - | | 2 | 2 | | 2 | . 78 | | | N | | 3 | 84. | 1 | | 00 | 32. | | | 3 | • | 9 | | | 8 | | 8 | 98. | 98. |
| | * | | | | 3 | 1 | | - | 0 | | ~ | - | ~ | - | - | 1 | ~ | 3 | | | 0 | - | 2. | - | 0 | - | w. | _ | 0 | - | 0 | 0 | 0 |
| | Al | 18 | 2 | 18 | 81 | | | 82 | 8 | 82 | 82 | 82 | | 82 | 82 | | 84 | 85 | 0 | 80 | ~ | N | | 76 | 0 | 96 | | 86 | æ | | 96 | 98 | 6 |
| | - 41 | 8.7 | 1.3 | 1.3 | 1.3 | 2.0 | 2.0 | | 2.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.3 | 4.7 | 5.3 | 8.7 | 8.7 | 2.0 | 2.7 | 4.7 | 4.7 | 0.9 | | 7.3 | | 8.0 | | | 8.0 | 8.0 |
| AILES) | | 77 | 3 | _ | 3 | | 8 | 00 | | œ | 00 | 00 | 00 | 8 | æ | 8 | 4 | 1 | | 40 | 0 | 0 | 6 | | 0 | 0 | 1 8 | | | | | 100 | 9 |
| VISIBILITY (STATUTE MILES) | 71 | 18 | 81. | - | 81. | | 82. | | • | | 2 | 2 | 82. | 2 | 82. | | 4 | | 8 | 80 | | 3 | | 4 | | 0 | | .16 | 97. | .16 | 97. | .16 | 97. |
| Y (STA | 7. | 1. | eu. | 1 | 100 | 0 | 0 | 0 | 0 | | | | - | 1. | | | ~ | • | • | 1. | 0 | | 0. | | | 0 | . 7 | .3 | 0 | | .3 | .3 | 4 |
| SIBILIT | Al | 78 | 81 | 81 | 8 | | 00 | 82 | 80 | 82 | 82 | | 82 | | 82 | - | 00 | - | 00 | | 92 | | 0 | 36 | | 96 | 96 | 6 | 25 | 97 | 16 | 16 | 97 |
| > | ~ Al | 8.7 | 1.3 | | | 2 | 2.0 | | 2.0 | | | 2.7 | 2.7 | 2.7 | 2.7 | 3. | | 3 | | | 2 | 2.7 | | | 5.3 | | 6.7 | 0.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| | | _ | 2 | | ~ | 3 | m m | 3 | m | _ | 0 | | 0 | 0 | 0 | 8 | 20 | 0 | - | 3 | 7 | 3 | 0 | 60 | 6 | - | 3 | 2 | 3 | 3 | 3 | 6 | 3 |
| | Y 21/4 | 16 | 100 | 8 | 00 | 6 | 20 | 6 | 10 | 00 | 80 | | 80 | | | 30 | 81. | | 33 | | 80 | | 90 | | | | 91. | 5 | 91. | 6 | 91. | 91. | 6 |
| | - | | 0. | | 0. | - | 1.1 | - | 1.7 | | .3 | | .3 | | | 0.0 | | | 1. | | 0. | | .3 | .3 | 0.0 | 0.0 | 1.1 | | 1.1 | 1. | 1.1 | -: | 1.1 |
| | ΛI | 3 75 | 78 | 1 78 | 78 | 78 | 78 | 78 | 78 | 19 | 3 79 | - | 3 79 | 1 | - | 8 | 80 | 8 | - | | 8 | 00 | 80 | 68 | 6 | 36 1 | 60 | 06 | 90 | 9 | 0 | C | 90 |
| | AI | 69 | 12.0 | 12. | 12.0 | . 7 | 72. | . 2 | 12. | 3. | 3.3 | | 13.3 | | 3.3 | 0.4 | 74.7 | | 17.3 | 17.3 | | 0 | | 0 | 81.3 | 31. | 82.0 | | 82.0 | 2 | | 2 | 82.0 |
| | 5 | | | .3 | 10 | 0 | 0 | 0 | 0 | | | - | . 7 | 1 | . 7 | 33 | 0 | - | | | | | .3 | 3 | 0 | 0 | | - | 7 | | .7 | | 1. |
| | Ai | 99 | 67 | 67 | 67 | 68 | \$ | 98 | 0 | 68 | 99 | 99 | 68 | 99 | 0 | 69 | 20 | 10 | 72 | 72 | 14 | 14 | 7.5 | 73 | 10 | 10 | 10 | 16 | 16 | 10 | 16 | 16 | 10 |
| | • | 2.0 | 4.7 | 4.7 | 4.7 | 5.3 | 65.3 | 5.3 | | | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 6.7 | 67.3 | 8.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.7 | 12.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.7 | 2.7 |
| | AI | 1_ | 1 6 | | _ | 9 | 1 6 | 1 | 7 65 | 1 6 | 2 | 10 | 1 6 | 7 6 | 4 | - | 1 | 100 | ~ | 0 | 3 | | | 1 | | | 2 | | _ | | - | 3 1 | 3 7 |
| | 2 | 10. | 10 | 0 | 10 | 0 | 0 | 0 | 0 | ं | 10 | 10 | 0 | 10 | 0 | 0 | 11. | 11. | 11. | 11. | 11. | | 11. | 11. | | 11 | 11. | | 11. | | 11. | : | 11. |
| 0 | | OZ. | 8 | 9 | 9 | 9 | 9 | 0 | 9 | | | 0 | . 0 | 0 | . 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 9 | 0 | • | 0 | | 0 | 9 | 0 | | | |
| CEILING | (FEET) | NO CEILING | > 20000 | | 7 16000 | | 2 12000 | - | 8 | 1 | 7000 | 1 | 2000 | 1 | 141 | 1 | 300 | | 200 | 1 | 1500 | | 180 | | 8 | | 8 | | 14 | | 8 | | O I A I |
| | | ž | | | | | | | | L | | L | | | | L | | | | | | | | | | | | | | | | | _ |

TOTAL NUMBER OF OBSERVATIONS

150

200

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114 STATION

0

0

0

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MOUNS (187) NON

| CEILING | | | | | | | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | (\$ | | | | | | |
|---------|------|------|------|------|------|----------|-------|-------------|----------------------------|------|---------|---------|---------|--------|-------|-----|
| (FEET) | 2 1 | 9 11 | 8 41 | 4 | 6 41 | > 2% | 2 2 | 4.1 Y | VI VI | - AI | % Al | ₩ Al | Z Al | ≥ 5/16 | N AI | ٨١ |
| CEILING | 0 | | 6 | 3 | - | 00 | 0 | 0 | | - | | - | | - | | 72. |
| ≥ 20000 | | 6.09 | 64.1 | 67.6 | 71.8 | 72.9 | 75.0 | 75.4 | 75.8 | 76.3 | 76.5 | 76.5 | 76.8 | 16.9 | 77.2 | 77. |
| 18000 | | | 4 | - | | 3 | 5 | 2 | | 9 | | 9 | | | | - |
| 16000 | 0 | | • | | | 500 | 5 | 2 | • | 9 | 76.8 | 9 | 77.0 | | | 17. |
| 7 14000 | | - | | | | * | | 0 | | - | | | | | | 78. |
| 12000 | | 9 | | 69.3 | 73.6 | 74.7 | 76.8 | - | 77.5 | | | | • | - | 78.9 | 6 |
| 2 10000 | | 0 | | | | W) | | - | | 00 | | | 19.1 | 50 | | 19. |
| 900 | | 0 | | 0 | 74.1 | | - | - | | 8 | | | | m | | 19. |
| 0008 | 7 | 3 | | 0 | \$ | 5 | | 8 | 03 | 0 | | | | | | 80. |
| 7000 | | 3 | | 0 | | • | - | * | | 6 | | 6 | | | | 80 |
| 1 | - | 3 | | 0 | 3 | a^. | - | 8 | 80 | 0 | | 6 | 6 | 8 | | 80 |
| 2000 | | 80 | | 0 | | | | | | 5 | | 6 | | 0 | | 80. |
| 1 | 100 | 0 | | 0 | 3 | 9 | 00 | | | 6 | | | 0 | 3 | | 80. |
| 804 | | 1 | | | | | 5 | 6 | | 0 | | 0 | 0 | 6 | | 81. |
| 1 | 20 | | | 2 | 9 | | 6 | 0 | 0 | 0 | | - | - | 9 | | 82. |
| 300 | | | | | 17.8 | 5 | = | - | 2 | 2 | | | 3 | 4 | 83.7 | 83. |
| | 00 | 6 | | 7 | 6 | 0 | 3 | 3 | 3 | 4 | | : | * | 6 | | 85. |
| 300 | 6 | 1 | | 77.6 | | 10 | | | - | - | | - | 8 | - | | 88. |
| 1 | | 6 | | 9.7 | | * | 9 | 1 | - | 00 | | 8 | 8 | 0 | | 89. |
| 200 | | 6 | | | 5 | . 9 | 6 | 6 | 6 | 0 | | 0 | | | | 91. |
| 1 | | | | 0 | 5 | - | 6 | 0 | 0 | - | | - | - | | 2. | 92. |
| 200 | 0 | 9 | 76.7 | 80.8 | 86.3 | 7 | 6.06 | - | 6116 | 92.5 | 95.8 | 2 | 3 | | 3 | 93. |
| | | 80 | | 0 | 0 | 000 | - | - | 3 | 2 | | 3 | | | 3 | 93. |
| 8 | | 0 | | - | 0 | 00 | - | 2 | 3 | | | ; | \$ | | ; | 95. |
| | | 0 | | - | | 00 | 2. | 2. | | 3 | | : | 4 | | 3 | 95. |
| 8 | | 6 | 77.1 | 81.2 | - | 2 | 4.76 | | | 4.76 | | : | | | | 95 |
| | | 0 | | 81.3 | | 8 | 2. | 3. | | 3 | | | 5 | | ; | 96 |
| 8 | | | 77.2 | 81.3 | 87.3 | 8 | 2 | | 34.5 | | 95.3 | | 3 | | ; | 96 |
| | | | | 81.3 | 1. | 6 | 3. | 3 | | | | | 9 | | 0 | 97. |
| 300 | | 72.9 | 77.2 | 8: 3 | 87.3 | 0.69 | 92.8 | | 4.46 | 95.3 | 6.56 | 6.56 | 40.06 | 90.96 | 0.26 | 97. |
| | | | 77.2 | • | | | | 93.6 | | 6.56 | | | | | | 98. |
| 0 | 19.2 | • | 77.2 | 81.3 | 87.3 | 6 | 2 | 3 | | 8 | 5 | 3 | 0. | | 97.21 | 00 |
| | | | | | | | | | | | | | | | | |

0

0

0

0

NB B N N M N B 4 - 0 4 B M C 4 B D O 4 B M M M B M O

1200

TOTAL NUMBER OF OBSERVATIONS

DEC

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

0

0

0

01 HOURS (1 5 T .

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | • | : | 6 . | 6. | 6. | 2 | 1.0 | | - | 1. | 1. | 100 | 8. | 9 | - | - | 0.0 | 6. | 6. | 6. | 1.1 | 1. | 9. | 6. | 9.6 | 9. | 9. | 2 | 2 | . 5 | . 5 | 3. | 00 |
|----------------------------|--------------|------------|---------|------|--------|---------|-------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|-------|------|--------|------|------|------|------|-------|------|--------|------|
| | AI | 12 | - | - | 72 | 74 | 26 | 76 | - | - | 26 | 16 | 76 | 76 | 78 | 78 | 80 | 8 | 83 | 83 | 8 | | 5 | 92 | 93 | 6 | 63 | 76 | 6 | 95 | 95 | 0 | 100 |
| | NI NI | | • | | | | 75.5 | | 75.5 | | | | 76.1 | 76.1 | 77.4 | 78.1 | 19.4 | | 83.2 | 83.2 | 87.1 | 5 | 91.0 | 92.3 | 92.9 | | 92.9 | 93.6 | | 94.8 | 94.8 | 2 | 95.5 |
| | 2 5/16 | 9.11 | 72.3 | • | 72.3 | 73.6 | 75.5 | | 75.5 | 75.5 | 75.5 | | 76.1 | 1601 | 77.4 | | 79.4 | 61.9 | 63.2 | 63.2 | 87.1 | | 91.0 | 92.3 | 92.9 | 92.9 | 92.9 | 93.6 | 93.6 | 8.76 | 94.8 | 8.76 | 94.8 |
| | N Z | | | • | 72.3 | 13.6 | 75.5 | | 75.5 | | 75.5 | | 1001 | | 77.4 | 1801 | 4.64 | | | 83.2 | 87.1 | 0.68 | 91.0 | | | 6.26 | | | m | 8. 46 | | 8. 56 | 94.8 |
| | * | | • | | 72.3 | | 75.5 | | | | 75.5 | - | 16.1 | | 77.4 | | 19.4 | 81.3 | | 83.2 | 87.1 | 0.69 | • | • | 6.26 | 7 | 6.26 | 93.6 | 93.6 | 8.56 | 8.46 | 8 . 46 | • |
| | % Al | 0.1 | | | 72.3 | 13.6 | 75.5 | | | | 75.5 | | 1.94 | 100 | | 78.1 | 4.61 | | | | | 0.68 | 0.16 | | 6.26 | 2 | 6.26 | 3 | 3 | * | ; | 8.96 | • |
| | - | | 11.6 | 9.17 | 9.17 | 12.9 | 8.47 | 14.8 | 14.8 | 8.7 | 14.8 | 00 | - | .5 | 00 | - | 78.7 | 0.1 | 82.6 | 9. | 6.5 | 4.00 | 6.0 | 9. | 8.26 | 2.3 | 92.3 | 6. | 5.9 | 4.2 | 4.2 | 2.56 | 4.2 |
| UTE MILES | ¥1 ¥ | | 11.0 | • | 11.0 | | 74.2 | | 74.2 | | 14.2 | | 8.4 | 6.8 | - | | 7. | 0 | 1.9 | | 5.8 | | 2.6 | 6.0 | 1.0 | 0 | 1.0 | 9. | 1.6 | | 2.3 | 92.3 | 2.3 |
| VISIBILITY (STATUTE MILES) | ۲۱ کا ۱۷۵ | 6.0 | 11.0 | 0.1 | 11.0 | 12.3 | 2.41 | | 14.2 | | 2.41 | | 8 . | | 16.1 | 8. | 78.1 | - | 1.9 | 6.18 | 85.8 | 17.7 | 69.7 | _ | 91.0 | 0 | 91.0 | 9.1 | 91.6 | | | 92.3 | 2.3 |
| VISIBI | 7 7 | | | | . 1.69 | | 72.9 | | 6.21 | 6.2 | 72.9 | | 73.6 | 3. | 74.8 | 5 | 00 | 8.7 | 80.7 | 1.00 | 4.5 | 86.5 | 8 . 4 | 0 | 2.6 | | 89.7 | | 0.3 | 0.1 | 1.0 | 0.16 | 0.1 |
| | ≥ 2% | 7.69 | 3.9 | 6. | | 2.59 | 67.1 | 67.1 | 67.1 | 1.10 | - | 1.10 | 7.7 | 67.1 | 0.69 | 1.6 | 71.0 | 6. | | 8. | 3.1 | 80.1 | 2.6 | _ | 83.9 | 3.9 | 83.9 | 4.5 | 4.3 | 5.2 | 5.2 | 2.58 | 2.5 |
| | e Al | 3.2 | 6. | 3.9 | 3.9 | 5.2 | 67.1 | 67.1 | 7.1 | 1.1 | 67.1 | 1.1 | 67.7 | 1.1 | 0.69 | 1.6 | 71.0 | 2 | | | 18.7 | 80.7 | 9.2 | 83.2 | 3.9 | 3.9 | 83.9 | - | 4.5 | 85.2 | 2.5 | 35.5 | 2.5 |
| | 4 Al | 0 | 1.0 | 60.7 | 7.00 | 6.1 | 63.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.0 | 3.3 | 2 | 8.8 | - | 0 | 1.0 | 0.1 | 4.2 | 3.5 | 7.4 | 8.1 | 8.7 | 8.7 | 18.7 | 8.7 | 78.7 | 3.4 | 4.6 | | 4. |
| | \$ 21 | - | 90 | 0 | 8.9 | | 0 | | 0 | | | | | | 3 | 6. | 2. | . 5 | | | 69.0 | | | | 72.9 7 | | | | 5.9 | | 3 | | 3.6 |
| | ۰ ۱۸ | .3 | .3 | .3 | 6 | 9. | | | 55.5 | .5 | 5 | 5 | .3 | 5 | • | 4. | | | ~ | 1.3 | 0 | _ | • | 00 | 56.57 | 2 | 2 | 66.5 | 80 | 6.9 | 2 | 6.5 | 6.5 |
| | 2 | 2 | .2 | ~ | .2 | 20 | .2 | .2 | 7 | 2. | ~ | .2 | 2. | 7. | 2 | 2. | 2. | 2. | 2. | .2 | 2. | .2 | .2 | .2 | .2 | 2. | .2 | 2. | ~ | 2. | 2 | 2 | .2 |
| CEILING | (FEET) | NO CEILING | ≥ 20000 | | 14000 | > 14000 | 12000 | | 8 | 1 | 7000 | 1 | 0005 | 1 | 1 1 | 1 | 3000 | 1 | 7 2000 | | 141 | 1 | 000 | | 8 | 1 | 8 | | 9 | 1 | 38 | | 0 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

0.69

4.89

7.89

66.5 4.89

66.5

66.5

69.

0.69

0.69

0.69

0.69 70.3 77.4

76.8

95.6

77.4

11.6

11.0

72.9

200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93114

SANTA ANA, CALIFORNIA

73-77

DEC

HOURS (L S T 40

٨I

٨١

| | | ≥ 5/16 | 65.8 | 66.9 | 66.5 | 66.5 | 68.4 | 68.4 | 68.4 | 0.69 | 69.0 | 0.69 | 0.69 | 0.69 | 70.3 | 11.0 | 72.9 | 75.3 | 76.8 | 17.4 | 82.6 | 83.9 | 88.4 | 89.0 | 89. |
|---|----------------------------|----------|------|------|-------|-------|--------|-------|--------|---------|--------|--------|-------|------|--------|------|------|--------|------|-------|------|-------|-------|-------|-------|
| | | Z. | | 66.5 | | 66.5 | 4.99 | 4.89 | 4.89 | | 0 | | | 0.69 | 70.3 | 1.0 | | 15.5 | 16.8 | • | 82.6 | | 88.4 | 89.0 | 89.7 |
| | | * | 2.59 | 65.8 | 65.8 | 8.59 | 67.7 | 1.19 | 67.7 | 9 8 9 4 | 4.89 | 4.89 | 4.89 | 4.89 | 1.69 | 10.3 | 72.3 | 8 . 4/ | 76.1 | 16.8 | 81.9 | 83.2 | 87.7 | 88.4 | 89.0 |
| | | % AI | 2.5 | 65.0 | 65.8 | 55.8 | 67.1 | 1.19 | 1.19 | 4. | 4.89 | 5. | - | * | 1.69 | | 72.3 | 8.41 | 76.1 | 16.8 | 81.9 | 83.2 | 87.7 | 88.4 | 0.68 |
| ENCE | | - | 2.5 | 0 00 | 8 | 8.8 | 7.7 | 1.1 | 7.7 | 8.4 | 4.89 | 68.4 | 4.89 | 5. | 1.69 | 70.3 | 12.3 | 8.4 | 16.1 | 6.8 | 11.9 | 13.2 | 87.7 | 4. | 0.6 |
| CCURR IONS) | VISIBILITY (STATUTE MILES) | 71 7 | 2.5 | 5.80 | 5 | 5.8 6 | 67.7 6 | 7.7 6 | 67.7 6 | 68.4 6 | 9 4.89 | 68.4 6 | * . | 4. | 69.7 6 | | 72.3 | 8.4 | 76.1 | 6.8 | 1.9 | 3.2 8 | 7.1 8 | 7.1 | 7.7 |
| NCY OF OCCUR! | TY (STATL | 1% | 2.5 | 0 0 | 5.8 6 | 5.8 6 | 7.7 6 | 1.16 | 7.7 6 | * | \$ | 5. | 8.4.6 | 3 | ~ | - | m | 8.4 | ~ | 6.8 7 | 1.98 | 3.2 8 | 7.1 8 | 7.1 8 | 7.7 8 |
| SY (BSE | SIBILI | ΑI | | 0 9 | 0 | 0 | 0 | 0 | 0 | - | • | 0 | 68 | 9 | 4 69. | 2 | 72. | 3 | - | 5 | 80 | 6 | 00 | 00 | 00 |
| UENC LY O | > | N Al | | 64. | 64.5 | 64.5 | 66.5 | 66.5 | 66.5 | 67.1 | 67. | 67.1 | 67.1 | 67. | | 0.69 | 71.0 | 13.6 | 74.8 | 75. | 80. | 81.5 | 85.6 | 85.6 | 86. |
| FREGHOUR | | ≥ 2% | - | 9.29 | 10 | | 64.5 | - | 64.5 | 5.5 | 65.5 | 5 | 65.2 | 2.50 | 66.5 | 67.1 | 0.69 | 11.6 | 72.9 | | 78.7 | 4.61 | 81.9 | 61.0 | 82.6 |
| INTAGE FREQUE | | e VI | 6.1 | 9.29 | | | 64.5 | 64.5 | 64.5 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 66.5 | 67.1 | 0.69 | 9.17 | 12.9 | | 78.7 | 19.4 | 81.9 | 61.8 | 32.6 |
| PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | | 7 | 4.6 | 0.00 | 0.0 | - | 61.9 | 6119 | 61.9 | 62.6 | 5.6 | 62.6 | 9. | 1_ | 0 | 64.5 | 66.5 | 0.69 | 70.3 | 0.17 | 1.92 | 16.8 | 78.7 | 78.7 | 4.61 |
| • | | 5 | 58.7 | 59.4 | 59.4 | 59.4 | 61.3 | 61.3 | 61.3 | 6119 | 61.9 | 619 | 6.19 | 619 | 65.0 | 63.2 | 65.2 | 67.1 | 4.89 | 0.69 | 72.9 | 73.6 | 75.5 | 75.5 | 76.1 |
| | | o Al | 53.6 | 54.2 | 54.5 | 54.2 | 56.1 | 56.1 | 56.1 | 86.8 | 56.8 | 56.8 | 8.95 | 56.8 | 57.4 | 58.1 | 59.4 | 61.3 | 61.9 | 61.9 | 65.8 | 65.8 | 67.7 | 67.7 | 67.7 |
| | | 0 | | 0 0 | | | 6.5 | 6.9 | 6.5 | | 7.1 | 1.1 | 7.1 | 1.1 | 7.1 | 1. | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 1: | 7.1 | 7.1 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS

155

250

92.3

91.6

90.3

6.06

91.0 91.0 0116 91.0

0.16 91.0

85.2

85.2

81.3

85.2

81.3 81.3

78.1 78.1

1.1

80

ALA

7.1

88

AI AI

78.1

92.3

6.26

9116

91.0 91.6

65.6 92.9

92.3 92.3

92.3 92.3

0.16 0.16

92.3 92.3

34.2

91.6

91.0

0116 91.6

6.06

6.06

80.3 91.0 91.6 91.0 92.3

89.0 89.0

38.4 87.7

> 84.5 85.2 85.2 85.2

> 80.7 81.3 81.3 81.3

68.4 0.69

63.9

80.7 83.9

77.4 77.4 18.1 78.1 1.87

4.89

7.1 7.1

88

IAIA

88

ALA

2000

ALAI

1800

AI AI

AI AI

3000

ALAL

89.0 69.0 89.7 89.7 89.7

0.69

::

88

AI AI

0.69 0.69 0.69 0.69

1.1

0.16

0.68

88.4

NO CEILING ¥ 20000

VI VI 0000 1 VI 0000

Y 1400

000 000 000

AI AI

AI AI

900

AI AI

AI AI

(FEET)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07 HOURS (1.5.T.) DEC

1

| CEILING | | | | | | | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | £\$) | | | | | | |
|------------|------|------------|-----------|------|---------|------|-------|-------------|----------------------------|------|---------|------|------|--------|------|------|
| (FEET) | 5 7 | 3 0 | \$9 A1 | AI | ε ΛΙ | ≥ 2% | N AI | ×1 × | 71 74 | - | % Al | * | V. | ≥ 5/16 | AI N | ٨١ |
| NO CEILING | : | 4.1.7 | | | | | 80 | 58.7 | | 0 | | 0.09 | | 0.09 | | 0.09 |
| ¥ 20000 | 12.3 | 51.6 | | 0 | - | - | 5 | | 3. | | ; | • | | 04.5 | 64.5 | 64.5 |
| | | 51.6 | | 0 | | - | | 63.5 | 3 | 3 | | | | • | | 64.5 |
| 16000 | | 51.6 | | ò | : | 7. | | 9 | 3 | * | * | | | • | 64.5 | 64.5 |
| 1 | | 52.3 | | - | | - | | | 3 | 5 | | | | | 2 | 65.2 |
| 12000 | | 52.9 | | - | 3 | 2 | | | ; | 5 | 2 | | | 5 | 2 | 65.8 |
| 1 - | 2 | 54.8 | | | 3 | 3 | | | | 80 | | | | 8 | 8 | 68.4 |
| 0006 | 12.9 | 54.8 | | 63.9 | | 65.2 | 66.3 | 67.1 | 67.1 | | | 4.89 | | 80 | | 68.4 |
| | | 55.5 | | | | 5 | | - | | 6 | | | | | | 69.0 |
| 141 | | 56.1 | | 'n | - | - | | | | | | | | ò | | 70.3 |
| 1 | | 56.1 | | 5 | - | | 00 | 6 | | 0 | | | | 0 | | 70.3 |
| 0005 | | 56.1 | | | | 67.1 | 8 | | | 0 | | | | 0 | | 70.3 |
| 1 | | 1.96 | | 5 | | | | 6 | | 0 | | | | 0 | | 70.3 |
| 141 | | 56.8 | | | | 67.7 | 6 | 6 | | - | | | | - | | 71.0 |
| 1 | | 58.1 | | - | | | 0 | : | - | 2 | | | | 2 | | 72.3 |
| 3000 | | 58.7 | | 8 | 6 | 70.3 | - | 2 | ~ | | | | | | | 73.6 |
| 1 | | 6119 | | | | | * | 5 | | 0 | | | | 9 | | 76.8 |
| 7000 | | 63.2 | | 3 | ; | | .9 | 1. | - | | | | | 80 | | 78.7 |
| 1 | | 64.5 | | * | | | 8 | 6 | | 0 | | | | 0 | | 80.7 |
| 1500 | | 65.8 | • | • | 8 | 18.7 | • | 81.3 | - | 3 | | 83.2 | | • | | 83.2 |
| | | 65.8 | | | | | - | -: | - | ; | | | | | | 84.3 |
| 000 | | 67.7 | | 80.0 | - | 83.5 | 85.8 | • | | 6 | | | | 6 | | 89.0 |
| | | 67.7 | | | - | | .0 | - | | 0 | | | | | | 90. |
| 00 AI | | 67.7 | • | 0 | 3 | | 99.4 | 89.7 | | 2 | | | | 5 | | 92.3 |
| | | 67.7 | | | | | 88.4 | 89.7 | | 2 | | | | | | 92.3 |
| 8 | | 67.7 | | | ė | | 88.4 | 89.7 | | 2. | | | | 2. | | 92.3 |
| | | 67.7 | | 80. | 3 | 64.5 | 98.4 | 89.7 | | ~ | | | | 2. | | 92.9 |
| 8 | | 67.7 | | | 3 | 64.5 | 88.4 | 89.7 | | | | | | 2. | | 95.9 |
| 38 | | 67.7 | 73.0 | 80.7 | 3 | 24.5 | 38.4 | 89.7 | 89.7 | | | 92.3 | • | 3 | | 93.6 |
| 7 200 | | 67.7 | | | 3 | 4 | 88.4 | 89.7 | 6 | | • | | | * | • | 94.8 |
| 8 | 15.5 | 67.7 | 73.6 | 80.7 | 83.2 | 24.5 | 88.4 | 68 | 89.7 | 92.9 | 92.9 | 6.26 | 8.46 | 84.8 | 94.8 | 96.1 |
| | | 07.1 | | | 3 | | | 87. | ~ | | | • | | ; | | 000 |

155

TOTAL NUMBER OF OBSERVATIONS

1118

93114 STATION

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

93114

0

0

0

0

0

O

HONTH 10

T S 1) SENON DEC

200

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74.2 76.8 83.9 74.2 83.9 74.2 74.2 92.3 93.6 93.6 75.5 75.5 89.7 90.3 93.6 71.6 94.2 80. ٨١ 67.1 93.6 71.6 94.2 67.1 1.19 74.2 74.2 75.5 90.3 92.3 73.6 75.5 83.9 83.9 83.9 83.9 83.9 73.6 14.2 76.8 76.8 89.7 92.3 74.2 80.7 80.7 69.7 N Al 67.1 71.6 73.6 74.2 83.9 69.7 74.2 75.5 92.3 93.6 93.6 13.6 14.2 75.5 8006 92.3 92.3 93.6 93.6 14.2 67.1 74.2 89.7 93.6 93.6 2 5/16 71.6 83.9 15.5 74.2 67.1 13.6 16.8 74.2 92.3 75.5 67.1 80.7 90.3 90.3 89.7 2 1A 73.6 83.9 76.8 67.1 1.68 71.6 75.5 93.6 93.6 67.1 67.1 73.6 74.2 74.2 92.3 93.6 74.2 74.2 75.5 92.3 93.6 94.2 1.69 74.2 94.2 80.7 94.2 * 71.6 93.6 93.6 73.6 67.1 93.6 73.6 74.2 75.5 76.8 83.9 90.3 92.3 67.1 74.2 74.2 75.5 83.9 6.26 67.1 74.2 2.46 89.7 80.7 69.1 93.6 94.2 A 65.6 65.6 75.5 83.9 71.6 89.7 73.6 89.0 63.9 65.8 66.5 67.1 73.6 73.6 74.2 74.2 74.2 83.9 91.6 91.6 6.26 93.6 74.2 75.5 80.7 67.1 67.1 92.9 76.8 93.6 69.7 74.2 -AI VISIBILITY (STATUTE MILES) 0.69 71.0 73.6 13.6 72.9 73.6 1.91 80.0 88.4 6.06 91.6 9116 83.2 91.6 73.6 14.8 83.2 80.3 92.3 74.8 91.6 92.3 92.3 66.5 87.1 87.7 65.2 66.5 68.4 68.4 70.3 82.6 80.7 82.6 91.0 72.3 91.0 89.7 72.9 75.5 0.16 62.6 63.9 65.8 72.3 72.9 72.9 72.9 74.2 74.2 79.4 0.16 91.0 0.16 91.0 87.7 67.7 89.7 7 7 71.0 89.0 6.0 70.3 0-1 72.3 71.6 73.6 35.5 85.8 89.0 0.68 8.58 8.48 89.0 0 -1 71.0 72.3 77.4 85.8 89.0 0.1 0.1 80.7 87.7 14 62.6 0.1/ 0.50 15.3 0.69 85.2 83.2 63.9 69.7 78.7 83.9 85.2 66.5 67.1 69 18 69 0.69 2 2% 6.19 61.9 64.5 4.89 0.69 0.69 0.69 0.69 77.4 4.89 71.0 77.4 81.9 82.6 74.2 70.3 70.3 83.9 84.5 34.5 84.5 84.5 84.5 84.5 M Al 57.4 0.69 72.3 57.4 61.9 76.8 63.9 63.9 64.5 64.5 65.8 77.4 78.7 61.9 64.5 64.49 65.8 18.7 78.7 78.7 0.09 66.5 78.7 78.7 64.5 72.3 1.81 79.7 ٨I 39.4 57.4 73.0 73.6 54.8 6119 6119 63.2 65.8 12.3 73.6 73.6 73.6 73.0 13.0 61.3 6.19 21.9 59.4 69.0 63.9 73.6 73.6 54.8 6119 63.9 59.4 69.0 54.8 63.2 73.6 61.3 N Al 57.4 6119 63.6 62.6 63.8 80.3 52.3 53.6 55.5 21.9 55.5 63.9 63.9 54.5 54.2 24.5 1.9 55.5 47.7 53.6 24.5 54.5 47.7 ٨١ 6.12 6.1 6.12 6.12 21.3 21.3 51.9 21.9 21.9 51.9 21.9 21.9 51.9 51.9 1.9 21.3 21.9 2 AI NO CEILING (FEET) VI VI 0009 1 4000 7 20000 200 900 989 3000 2000 8 8 88 88 88 88 88

AI AI

0

11 11

14 14

AI AI

AI AI

AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

93.6

91.0

89.0

73.6

80

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 HOURS (1 S T.) DEC

Ē

| CEILING | | | | | | | VISI | BILLITY (ST. | VISIBILITY (STATUTE MILES) | (\$) | | | | | | |
|------------|------|---------|----------|------|------|------|------|--------------|----------------------------|-------|-------|-------|-------|--------|-------|-------|
| (FEET) | 21 | o Al | S | 7 | e Al | 2 2% | 7 7 | 41 7 | ¥1 VI | - | N AI | * | Z AI | 2 5/16 | 71 | 0 11 |
| NO CEILING | | 46 | | 54.2 | 1.09 | 62.6 | | 5 | 65.8 | 67.7 | 61.1 | 67.7 | 61.1 | 67.1 | 61.1 | 67.0 |
| > 20000 | | 55. | | 61.3 | 4.89 | - | 73.6 | 74.2 | 74.2 | 76.8 | 16.8 | 76.8 | | 76. | 16.8 | 76.8 |
| | | 52. | | • | 4.89 | 11.0 | | 7.05 | • | 76.8 | | 16.8 | | 16. | : | 76.8 |
| 2 16000 | | 52. | | 61.3 | 68.4 | 71.0 | 73.6 | 74.2 | 74.2 | | | 76.8 | | 76. | : | 16.8 |
| | | 54. | | 63.2 | | | | | 76.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78. | | |
| > 12000 | | 56. | | 65.2 | 72.3 | 74.8 | 77.4 | 78.1 | | | | | : | 80. | : | 80.7 |
| - | | 57. | | | | | 78.7 | | | | 81.9 | • | : | 81. | - | 81.9 |
| 000 | | 57. | | 66.5 | 13.6 | 76.1 | 78.7 | 19.4 | 19.4 | = | : | 81.9 | | | 81.9 | 81.9 |
| 1 | | 57. | | 66.5 | | | 78.7 | 6 | 6 | - | - | : | : | 81. | : | 81.9 |
| 141 | | 57. | | 66.5 | | 76.1 | 78.7 | 19.4 | 6 | | 81.9 | 81.9 | - | 81. | 81.9 | 81.9 |
| 1 | | 58. | | 67.1 | 4 | | 6 | 0 | | 2. | 2. | | 7 | 82. | 2 | 82.6 |
| 2005 | | 58 | | | | 76.8 | 79.4 | 0 | 0 | 82.6 | 2. | | 2 | 82. | - | 82.6 |
| 1 | | 58. | | 67.1 | | | 6 | 0 | | 2. | | | | 82. | | |
| 1111 | | 58 | | 67.7 | 74.8 | 77.4 | | 0 | 0 | 83.2 | | | 3 | 80 | 83.2 | |
| | | 59. | | 8 | | 00 | 0 | : | | 5 | | 83.9 | 9 | 83. | | 83.9 |
| 3000 | | 61. | | 70.3 | 77.4 | 0 | | 3 | 3 | 3 | | 85.8 | 3 | 85. | | |
| | | 63. | 4.89 | 72.9 | | 83.2 | 85.6 | | 86.5 | | 89.0 | 89.0 | 6 | 89. | 89.0 | 89.0 |
| 7 2000 | | 65. | | | 2. | 5 | - | | | | • | | - | 91. | | |
| | | 65. | | 8.4/ | 2 | 85.2 | | 8 | | 91.0 | 0.16 | 91.0 | : | -16 | | 91.0 |
| 2005 | | | | 77.4 | 85.2 | - | | | | 2 | 95.5 | 95.5 | 95.5 | | | 95.5 |
| | | 67. | | 78.1 | 85.8 | 38.4 | | | ~ | 96.1 | 96.1 | 1.96 | | 96 | 96.1 | 96.1 |
| 1000 | | | 74.2 | 19.4 | 87.7 | 0 | 3 | 95.5 | | 7.86 | | 98.7 | 8 | 0 | | 98.7 |
| | | 68. | | | | | | 95.5 | 5 | 98.7 | | 786 | | | 198.7 | 98.7 |
| 8 | | 69 | | | 88.4 | - | * | | | 0.001 | | 100.0 | | | 100.0 | 1000 |
| | | 69 | | 90.0 | 88.4 | 0.16 | 94.2 | 1006 | | | 100.0 | 0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 8 | | 69 | | | 88.4 | - | 34.2 | 1.96 | .0 | | 100.0 | 100.0 | | | 100.0 | 1000 |
| 1 | | 69 | | | 88.4 | | 94.2 | 1.96 | 0 | 0.00 | | 0. | 00 | | 100.0 | 0.001 |
| 141 | | 69 | | 80.0 | 88.4 | 91.0 | 3.56 | 1.96 | | 0.001 | 0 | 100.0 | 00 | 100.0 | | 100.0 |
| 38 | 20.7 | 0.69 | 14.8 | 80.0 | 38.4 | 91.0 | 2.46 | 1.96 | 8.96 | 0.00 | 0.0 | 0000 | 100.0 | 100.0 | 100.0 | 000 |
| | | 60 | | | 400 | • | 2006 | 106 | | 0.00 | | 2 | 3 | 0.001 | 0.001 | 0001 |
| 8 | | 69 | 14.00 | 000 | 4 4 | 01.0 | 2.56 | 1.06 | 96.8 | 000 | 00000 | 0000 | 0.001 | | 000 | 000 |
| | 1.07 | | | 0.08 | 300 | • | 7056 | 1.06 | | 0000 | • | 1000 | • | 1000 | 0.001 | 2001 |

0

TOTAL NUMBER OF OBSERVATIONS

155

=

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SANTA ANA, CALIFORNIA

93114 STATION

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1.5.7.) DEC

LULL111000000000

| | VI | 72. | 80. | 80. | 85. | 87. | 89 | | 89. | 89 | Charles . | 91. | 1 | 91. | | | | | 92. | | | 100 | | 100 | 00 | 00 | | 001 | 00 | 00 | 00 | 00 |
|---------------------------|----------|------------|-------|-------|------|---------|------|--------|------|--------|-----------|--------|------|--------|------|------|--------|--------|--------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| | × × | 72.3 | 0 | 80.0 | 4 | - | | | 89.0 | 89.0 | | | | 90.3 | | | | | 92.3 | | | 4.66 | 4.66 | | 7.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 |
| | ≥ 5/16 | 72.3 | 0 | 80.0 | | 87.1 | | 89.0 | | 6 | ċ | · | 0 | 0 | ċ | | - | 2 | 85.3 | | 96.1 | 4.66 | 4.66 | | 4.66 | 4.66 | 4.66 | 4.66 | 7.66 | 4.66 | 4.66 | 4.66 |
| | % Al | 79.4 | 0 | 0 | 4 | - | 6 | 5 | 6 | | 0 | 5 | 0 | 0 | 0 | - | - | 2 | 2. | ; | 9 | 6 | 6 | 6 | 6 | 6 | 5 | 4.66 | 6 | 4.66 | 4.66 | 4.66 |
| | * | 79.4 | 0 | 80.0 | * | 87.1 | | | 6 | 89.0 | 0 | 0 | 0 | ċ | 0 | 91.0 | - | 2 | 92.3 | 94.8 | 96.1 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 30.66 | 4.66 | 7.66 | 4.66 |
| | ۸I | 79.4 | 0 | 80.0 | * | - | | 89.0 | | 0.68 | | | | | | 0.16 | | | 95.3 | | 96.1 | 4.66 | | 4.66 | 4.66 | | 7.66 | 4.66 | 3.66 | • | 4.66 | |
| ES) | <u></u> | 71.6 | | 79.4 | 50 | | 88.4 | 8 | 88.4 | | . 6 | 6 | 6 | 89.7 | 6 | 0 | | 1: | 91.6 | . 4 | | | 98.7 | | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 48.7 | 98.7 | 98.7 |
| VISIBILITY (STATUTE MILES | VI 72 | 71.6 | 6 | 79.4 | 50 | ċ | • | 8 | 8 | 88.4 | 6 | • | 0 | 6 | 6 | 0 | : | - | | | | 8 | | 8 | 98.7 | | 7.96 | 48.7 | 7.86 | 98.7 | 7.86 | 98.7 |
| IBILITY (ST | ۷۱ ۶۲ | 71.0 | 78.7 | 78.7 | 83.2 | 3 | 37.7 | 87.7 | 87.7 | 87.7 | | | 89.0 | | 0.68 | 6 | 80.3 | : | 91.0 | 3 | 3 | | 98.1 | | 98.1 | | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| VIS | AI | 769.7 | - | 77.4 | - | 34.5 | 86.5 | . 9 | 86.5 | 36.5 | 87.7 | 87.7 | 87.7 | 87.7 | | 88.4 | | 6 | 89.7 | 91.6 | 2. | | 1.96 | 96.1 | 96.1 | 1.96 | 96.1 | 96.1 | 96.1 | 1.96 | 96.1 | |
| | 2 2% | 74.8 | 2 | 75.5 | 0 | 82.6 | | 84.5 | 4 | | 85.8 | | 85.8 | | 3 | 86.5 | 87.1 | 97.7 | 87.7 | 89.7 | 91.0 | 3. | | | 93.6 | 177 | 3 | | 63 | 93.6 | 3 | 93.6 |
| | δ. VI | 67.1 | 4 | 74.8 | 4.66 | 81.9 | | 3. | • | 3. | 84.5 | * | 4. | 84.5 | * | 85.2 | 85.8 | ; | 86.5 | 8 | 89.7 | - | - | : | 91.6 | : | | 91.6 | 9.16 | | 91.6 | 91.6 |
| | VI 4 | 59.4 | 68 | 0 | 70. | 72.9 | 74. | 74. | 74.2 | 74. | . 46 | 7 | | 74.8 | • | 75.5 | 76.1 | 76.8 | 76.8 | 78.1 | 19.4 | - | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | - | 81.3 |
| | AI | 53.6 | | 58. | 62. | | 65. | 65. | 65. | 65.8 | 66. | .99 | .99 | c | 66. | 9 | 67.7 | 9 | | 0 | 70. | - | 72. | 72. | 72. | - | 72. | - | | 1 | 72. | - |
| | ٥ ٨١ | 51.6 | 1 | | .09 | 62. | 63. | 63. | 63. | 63.2 | 63. | 63. | 63 | 63 | 63. | 9 | 63. | 65 | 0 | 66. | 57. | 69 | .69 | 0 | 69 | 69 | 69 | 69 | .69 | 69 | | - 1 |
| | VI 5 | 17.4 | 3 | | 0 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | | | | 21.3 | | | | - | - | - | - | 1. | - | - | - | : | - | 21.9 | 21.9 | |
| CEILING | (ree) | NO CEILING | 18000 | 14000 | | 7 12000 | | > 9000 | | ≥ 7000 | | > 2000 | | V 4000 | | 3000 | 2 2500 | ≥ 2000 | V 1800 | | | 1000 | | 800 | | 009 | | × 400 | 300 | 1 30 | 8 | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

SANTA ANA, CALIFORNIA

YEAR

DEC DOEC 19

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | (5) | | | | | | |
|-------------------|---------|------|-------|-----------|---------|-------|---------|----------------------------|-----------|------|----------|-------|---------|---------|--------|------|
| | VI 5 | ٨١ | SO AI | VI | M Al | 12 2% | N Al | 71 22 | 7 | Ā | ۶۶ ۸۱ | * | % Al | \$ 5/18 | AI | ٥ |
| NO CEILING | 9.8 | 36.8 | 0.09 | 2.59 | 1.69 | 11.0 | | 0.17 | 1.6 | 72.3 | 72.3 | 72.3 | 6.71 | 12.9 | 6.21 | 12.9 |
| > 20000 | 0.6 | 29.4 | - | 66.3 | 72.9 | 74.2 | 74.8 | 74.8 | 75.5 | 76.1 | 76.1 | 76.1 | 76.8 | 76.8 | | 76.8 |
| | 0.0 | 59.4 | | 66.3 | | | | 74.0 | 75.5 | 76.1 | 76.1 | 76.1 | | 76.8 | 76.8 | 76.3 |
| 16000 | 0.6 | 59.4 | 62.6 | 64.5 | 72.9 | 74.2 | 74.8 | 74.8 | 75.5 | 76.1 | 76.1 | 76.1 | | 76.8 | 9 | 76.8 |
| | 4.5 | 62.6 | 1 - | 1.69 | 1.91 | 17.4 | 78.1 | 1.87 | 78.7 | 10.4 | 19.4 | 70.61 | 0 | 80.0 | 80.0 | 80.0 |
| 2 12000 | 9.7 | 64.5 | - | 71.6 | 78.1 | 19.4 | 80.0 | 80.0 | 80.7 | 81.3 | 81.3 | 81.3 | - | 81.9 | - | 81.9 |
| 1 | 4.4 | 65.8 | 1 - | 13.6 | 80.0 | - | | 81.9 | | 83.2 | 3 | 3 | 83.9 | 83.9 | | 83.9 |
| 0006 | 4.1 | 65.8 | - | 73.6 | 0 | - | 81.9 | 81.9 | 2 | 83.2 | 3 | 3. | 83.9 | 83.9 | 63.9 | 83.9 |
| 1 | 4.0 | 65.8 | 69.7 | | | - | 2. | 82.5 | | 83.9 | 3 | 3. | 84.5 | 64.5 | 64.5 | 84.5 |
| 7000 | 2.4 | 6.59 | 69.7 | 13.6 | 80.0 | 81.3 | 82.5 | 82.6 | | 83.9 | 83.9 | 83.9 | 84.5 | 84.5 | 84.5 | 84.5 |
| 1 | 9.7 | 8.59 | 1 - | | 80.0 | | • | 82.6 | | 83.9 | | 3. | 84.5 | 84.5 | 84.5 | 84.5 |
| 2000 | 4.4 | 67.1 | 71.0 | 74.8 | - | ~ | | 83.9 | 84.5 | 85.2 | 85.2 | 85.2 | | 85.8 | 85.8 | 85.8 |
| | 4.6 | 67.1 | | 74.8 | | | | 83.9 | 84.5 | 65.2 | 85.2 | 5 | 85.8 | 85.8 | 85.8 | 85.8 |
| 141 | 9.7 | 67.7 | - | 75.5 | 81.9 | • | 84.5 | 84.5 | | 85.8 | | 85.8 | 86.5 | 86.5 | 86.5 | 86.5 |
| | 4.6 | 4.89 | - | 16.1 | 82.6 | | 3 | 85.2 | | 86.5 | 0 | | | 87.1 | | 87.1 |
| 3000 | 4.1 | 71.0 | 74.8 | 78.7 | 85.2 | 86.5 | 87.7 | 87.7 | 88.4 | 89.0 | 89.0 | 89.0 | 89.7 | 89.7 | 1.68 | 89.7 |
| | 4.6 | 72.9 | | 80.7 | 87.1 | 4 89 | 8006 | 90.3 | | 91.6 | 91.6 | : | 92.3 | 92.3 | 92.3 | 92.3 |
| 7 2000 | 7.6 | 13.6 | | 81.9 | 89.0 | 90.3 | 92.3 | 92.3 | | 93.6 | 3 | 93.6 | 34.5 | 2.46 | 34.2 | 34.5 |
| | 4.4 | 13.6 | 78.1 | 81.9 | | 0 | | 92.3 | 92.9 | 93.6 | | 3 | | 94.2 | | |
| 1500 | 7.6 | 75.5 | | 85.2 | 6.36 | 93.6 | | 95.5 | | 8.96 | ; | 8.96 | | 97.4 | 4.16 | 97.4 |
| 1 | 4.5 | 75.5 | 81.3 | 85.8 | | 2.76 | | 96.1 | 8.96 | 4.16 | - | | | 98.1 | 1 86 | 98.1 |
| 1000 | 1.6 | 77.4 | | 87.7 | | 96.1 | 96.1 | 98.1 | 1.86 | 4.66 | • | 4.66 | 00001 | 100.001 | | |
| | 6.1 | 17.4 | | 87.7 | 8.56 | 1.96 | 98.1 | 98.1 | 98.7 | 7.66 | 6 | | 0.00 | 00.00 | 00.00 | 0.00 |
| 8 | 4.7 | 17.4 | | 87.7 | 8. 56 | 96.1 | 1.86 | 98.1 | 98.7 | 4.66 | 4.66 | 4.66 | 0000 | 10000 | 00.00 | 0.00 |
| | 2.6 | 17.4 | | 87.7 | 8.76 | 1.96 | 98.1 | 1.96 | 48.7 | 4.56 | 4.66 | | 00.00 | 10000 | 100.00 | 0.00 |
| 8 | 1.6 | 77.4 | 83.2 | 87.7 | 8.46 | 96.1 | | 98.1 | 98.7 | 4.66 | 4.66 | 4.66 | 100.00 | 10000 | 00.00 | 0.00 |
| | 4.4 | 77.4 | | 87.1 | 8.56 | 1.96 | 1.86 | 1.96 | | 7.66 | | | 0.001 | 00.00 | 100.00 | 0.00 |
| 8 | 1.6 | 77.4 | | 87.7 | 8.76 | 96.1 | | 98.1 | 98.7 | 9.66 | 6 | 90.6 | 100.00 | 100001 | 00.00 | 0.00 |
| | 6.1 | 77.4 | 83.2 | 87.7 | 4 | 1.96 | 98.1 | 1.86 | | 7.66 | 4.66 | | 0.001 | 0000 | 00.00 | 0.00 |
| 8 | 4.1 | 77.4 | 83.2 | 87.7 | 8.46 | 96.1 | 98.1 | 98.1 | | 4.66 | 6 | 4.66 | 0.001 | 100001 | • | 0.00 |
| 8 | 6.1 | 7.4 | 83.5 | | • | | | 98.1 | • | | 6 | | 0 | 10000 | 00.00 | 0.00 |
| ٨١ | 4.1 | 77.4 | -1 | 87.7 | 8.46 | 96.1 | 98.1 | 98.1 | 1.86 | 4.66 | 4.66 | 4.66 | 0.00 | 00.00 | 00.00 | 0000 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) SANTA ANA, CALIFORNIA

22 HOURS (1.5.T.) DEC

9800

| 73.6 73.6 73.6 73.6 73.6 73.6 7 | .5 75.5 75.5 75.5 75.5 75.5 7 | 78.5 75.5 78.5 75.5 75 | 7 78.7 78.7 78.7 78.7 7 | 0.7 80.7 80.7 80.7 | 3 81.3 81.3 81.3 81 | 82.6 82.6 8 | 2.6 82.6 82.6 82 | .6 82.6 82.6 8 | 82.6 82.6 8 | 83.9 83.9 83 | 4.5 84.5 8 | 4.5 84.5 8 | .2 85.2 8 | 0000000 | 6 93.6 9 | .6 93.6 93 | 4.8 9 | .5 | .1 96.1 9 | 9601 | 1 96.19 | .1 96.1 9 | 6 1 9 | .1 96.1 9 | | 1 20.1100 |
|---------------------------------|-------------------------------|---|--|--|--|--|--|--|---|--|--|---|---|---|--|--|---|--|---|---|---|---|---|--|--|---|
| 73.6 73.6 73.6 73.6 73.6 73. | .5 75.5 75.5 75.5 75.5 75. | 5 75.5 75.5 75.5 75. 75.5 75.5 75.8 75. | .7 78.7 78.7 78.7 78. | 0.7 80.7 80.7 80. | 3 81.3 81.3 81. | 82.6 82.6 82 | 2.6 82.6 82. | .6 82.6 8 | 62.6 8 | 3.0 | 4.5 8 | 4.5 8 | .2 85. | 000 | 6 93 | .6 93. | ; | 2 | . 1 96. | | 6 | .1 9 | 7 | 7 | - | 11.02 7 |
| 73.6 73.6 73.6 73.6 73. | .5 75.5 75.5 75.5 75. | 5 75.5 75.5 75. | .7 78.7 78.7 78. | 0.7 80.7 80. | 3 81.3 81. | 82.6 82. | 2.6 82. | .6 82. | 62. | · m | ; | 4 | • | • | | | 8 | 5 | - | : | : : | 5.1 | 1.9 | 6.1 | 1.0 | 4 |
| 73.6 73.6 73.6 73. | .5 75.5 75.5 75. | 2 75.5 75. | .7 78.7 78. | 0.7 80. | 3 81. | 82. | 2 | • | 0 | | 1 | 100 | | | 93 | | | 95 | | 6 5 | 6 | | 0 | 0 0 | 0 | 10 |
| 73.6 73.6 73. | .5 75.5 75. | 5 75 | .7 78 | 0 | | | w | 80 | 20 | 83.9 | 4 | 4 | 2 | . 0 | 93.6 | | . 4 | 95.5 | 0 | 0 | 96 | 96.1 | 1006 | 96.1 | 000 | |
| 73.6 73. | .5 75. | | | | 000 | - 2 | 2 | • | 7 | 83.9 | * | * | • | . 0 | | | * | - | 0 | | 96.1 | | 1.96 | 96.1 | 100 | |
| 73. | • | | | 0 | ÷. | | 2 | 2 | 2 | 83.0 | 4. | | | | | 3. | ; | 68.5 | 0 | | - 1 | | 1.96 | | 1.00 | |
| - | 200 | 75.5 | 1 20 | • | 81.3 | - 2 | | | 2 | 2000 | * | * | | - | 93.6 | | * | 95.5 | | 200 | | | 96.1 | | 100 | |
| | | . u | 00 | 0 | | | 2 | | • | 83.9 | | | | • | 93.6 | | | 95.5 | | 200 | | 96.1 | | 1.96 | 0,0 | 100 |
| | 75.5 | 75.5 | | | 81.3 | - | 82.6 | | 2 | 200 | | | 85.2 | | 93.6 | | • | • | 96.1 | 7.00 | 96.1 | 1.96 | 96.1 | 96.1 | 1.00 | 1004 |
| 2 | 5 | 74.8 | 1 00 | 0 | 0 | | - | 7 | - | 63.7 | 2 | en | | 33 | 900 | 2 | * | 4 | 2 | | 0 | | 3 | 95.5 | | |
| 6 | 0 | • | | • | | | | | - | - 60 | 80 | | 0 | 0 | | | | | | | | | 90.3 | 90.3 | 000 | |
| 00 | | | | | | | | | | | | | | | | | . 9 | 6 | 6 | | 6 | 1.68 | 89.7 | 39.7 | | 040 |
| ~ | 3. | | 1 | 6 | | | | | • | | 2 | 2 | 2. | 0 | 0 0 | 0 | - | 5 | 3 | m = | 1 64 | | 9 | | | |
| | | | | | | | | | • | | | | | • | | | | | • | | | | | | | 1704 |
| 54.8 | 56.1 | 56.1 | 59.4 | 61.3 | 61.9 | 63.2 | 63.2 | 63.2 | 63.5 | 63.9 | 64.5 | 64.5 | 54.5 | - 10 | 69.0 | 0.69 | 70.3 | 71.0 | 71.6 | 71.6 | 7 | 7 | = | 71.6 | 11.0 | 1.00 |
| 1.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | | | 7.1 | 1.1 | :: | | 7.1 | 7.1 | • | | | 7.1 | 7.1 | 7.1 | | 1: | 7.1 | 7.1 | 7.1 | 1., | |
| 10 | 20000 | 00081 2 | 14000 | 12000 | 0000 | 000 | 900 | 8 | 8 | 88 | 8 | 8 | 8 | 8 | 88 | 8 | 8 | 8 | 8 | 88 | 8 8 | 88 | 8 | 8 | 8 | , |
| | 7.1 54.8 60.0 62.6 68.4 69.0 | 54.8 60.0 62.6 68.4 69.0 56.1 61.3 63.9 69.7 70.3 | 20000 7.1 54.8 60.0 62.6 68.4 69.0 20000 7.1 56.1 61.3 63.9 69.7 70.3 18000 7.1 56.1 61.3 63.9 69.7 70.3 | 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 | 7.1 56.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 59.4 64.5 67.1 72.9 73.6 7.1 61.3 66.5 69.0 74.8 75.5 | 7.1 56.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 59.4 64.5 67.1 72.9 73.6 7.1 61.3 66.5 69.0 74.8 75.5 | 7.1 54.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 59.4 64.5 67.1 72.9 73.6 7.1 61.3 66.5 69.0 74.8 75.5 7.1 61.9 67.1 69.7 75.5 76.1 7.1 61.9 67.1 69.7 75.5 76.1 | 7.1 54.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 59.4 64.5 67.1 72.9 73.6 7.1 61.3 66.5 69.0 74.8 75.5 7.1 61.9 67.1 69.7 75.5 76.1 7.1 61.9 67.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 | 7.1 54.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 61.9 67.1 72.9 73.6 7.1 61.9 67.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 | 7.1 54.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 59.4 64.5 67.1 72.9 73.6 7.1 61.9 67.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 | 7.1 56.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 61.9 67.1 69.7 75.5 76.1 7.1 61.9 67.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 | 7.1 56.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 61.9 67.1 69.7 75.5 76.1 7.1 61.9 67.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 7.1 63.2 68.4 71.0 76.8 77.4 76.1 77.1 63.9 69.0 71.6 77.4 76.1 | 7-1 54-8 60.0 62.6 68.4 69.0 7-1 56-1 61.3 63.9 69.7 70.3 7-1 56-1 61.3 63.9 69.7 70.3 7-1 56-1 61.3 63.9 69.7 70.3 7-1 61.9 67.1 69.7 75.5 76.1 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 7-1 63.2 68.4 71.0 76.8 77.4 | 7-1 54-8 50.0 62-6 58-4 69.0 7-1 56-1 51-3 63-9 69-7 70-3 7-1 56-1 51-3 63-9 69-7 70-3 7-1 56-1 51-3 63-9 69-7 70-3 7-1 51-9 57-1 69-7 75-5 76-1 7-1 61-9 67-1 69-7 75-5 76-1 7-1 63-2 68-4 71-0 76-8 77-4 7-1 63-2 68-4 71-0 76-8 77-4 7-1 63-2 68-4 71-0 76-8 77-4 7-1 63-2 68-4 71-0 76-8 77-4 7-1 63-2 68-4 71-0 76-8 77-4 7-1 64-5 69-7 72-3 78-1 78-7 7-1 64-5 69-7 72-3 78-1 78-7 7-1 64-5 70-3 72-9 78-7 79-4 | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 51.9 57.1 69.7 75.5 76.1 7.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 54.5 59.7 72.3 78.1 78.7 77.1 54.5 59.7 72.3 78.1 78.7 77.1 54.5 59.7 72.3 78.1 78.7 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 72.3 78.1 78.7 79.4 79.7 72.3 78.1 78.7 79.4 77.1 54.5 59.7 77.2 75.8 78.1 78.7 79.4 77.1 54.5 59.7 77.2 75.8 78.1 78.7 79.4 77.1 54.5 59.7 77.1 54.7 77.1 77.1 54.7 77.1 54.7 77.1 77.1 77.1 77.1 77.1 77.1 77.1 7 | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 53.9 59.7 70.3 7.1 55.1 51.3 53.9 59.7 70.3 7.1 55.1 51.3 53.9 59.7 70.3 7.1 51.3 56.5 57.1 72.9 73.5 70.3 7.1 51.9 57.1 69.7 75.5 76.1 7.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.9 59.0 71.6 77.4 76.1 77.1 54.5 59.7 72.3 78.1 78.7 7.1 54.5 70.3 72.9 78.7 79.4 77.1 57.7 74.2 76.8 82.6 83.2 7.1 57.7 74.2 76.8 82.6 83.2 7.1 57.7 74.2 76.8 82.6 83.2 | 7.1 56.8 60.0 62.6 68.4 69.0 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 63.9 69.7 70.3 7.1 56.1 61.3 60.5 67.1 72.9 73.5 76.1 7.1 61.9 67.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 77.1 63.2 68.4 71.0 76.8 77.4 77.1 63.2 68.4 71.0 76.8 77.4 77.1 63.2 68.4 71.0 76.8 77.4 76.1 77.1 63.9 69.0 71.0 76.8 77.4 76.1 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 75.8 80.7 87.1 87.7 77.1 69.0 76.8 80.7 87.1 87.7 | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 51.9 57.1 69.7 75.5 76.1 7.1 53.2 58.4 71.0 76.8 77.4 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.1 53.9 59.0 77.6 77.8 78.1 78.7 77.1 54.5 59.7 72.3 78.1 78.7 79.4 77.1 57.7 74.2 75.8 82.6 83.2 77.1 57.0 76.8 80.7 87.1 87.7 71.5 59.0 76.8 80.7 87.1 87.7 87. | 7.1 56.8 50.0 62.6 58.4 69.0 7.1 56.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 7.1 56.1 51.3 53.9 59.7 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70 | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 53.9 59.7 70.3 7.1 55.1 51.3 53.9 59.7 70.3 7.1 55.1 51.3 53.9 59.7 70.3 7.1 55.1 51.3 53.9 59.7 75.5 75.1 71.5 51.5 75.5 75.1 71.5 51.5 75.5 75 | 7-1 54-8 50.0 62.6 58.4 69.0 7-1 55-1 51.3 53-9 59.7 70.3 7-1 55-1 51.3 53-9 59.7 70.3 7-1 55-1 51.3 53-9 59.7 70.3 7-1 51.3 55-1 51.3 53-9 59.7 70.3 7-1 51.9 57-1 59.9 57-1 75-5 75-1 7-1 53-2 58-4 71.0 75-8 77-4 7-1 53-2 58-4 71.0 75-8 77-4 75-1 75-5 75-1 75-1 54-5 59.7 72-3 78-1 78-7 7-1 57-7 74-2 75-8 82-6 83-2 7-1 57-7 74-2 75-8 82-6 83-2 7-1 57-1 57-7 74-2 75-8 82-6 83-2 7-1 7-1 59-0 75-8 80-7 87-1 87-7 7-1 59-0 75-8 80-7 87-1 87-7 7-1 59-0 75-8 80-7 87-1 87-7 7-1 71-6 79-4 83-2 89-7 90-3 7-1 71-6 79-6 83-2 89-7 90-3 7-1 71-6 79-6 83-2 89-7 90-3 7-1 71-6 79-6 83-2 89-7 90-3 7-1 71-6 70-8 80-7 90-3 7-1 71-6 70-8 80-7 90-3 7-1 71-7 71-7 71-7 71-7 71-7 71-7 71- | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 51.9 57.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 77.1 63.2 68.4 71.0 76.8 77.4 76.1 77.1 63.9 69.0 71.0 76.8 77.4 76.1 77.4 78.1 78.7 77.5 57.7 77.5 57.8 77.4 78.1 78.7 77.5 57.8 82.6 83.2 77.4 77.1 67.7 77.2 76.8 80.7 87.1 87.7 71.6 79.4 83.2 89.7 90.3 77.1 71.6 79.4 83.2 89.7 90.3 77.1 71.6 79.4 83.2 89.7 90.3 77.1 71.6 79.4 83.2 89.7 90.3 77.1 71.6 79.4 83.2 89.7 90.3 77.1 71.6 79.4 83.2 89.7 90.3 | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 64.5 67.1 72.9 73.5 75.1 51.9 57.1 69.7 75.5 76.1 7.1 61.9 57.1 69.7 75.5 76.1 7.1 63.2 68.4 71.0 76.8 77.4 77.1 63.2 68.4 71.0 76.8 77.4 76.1 77.1 63.2 68.4 71.0 76.8 77.4 76.1 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 78.7 77.1 64.5 69.7 72.3 78.1 87.7 77.1 67.7 77.2 76.8 82.6 83.2 77.4 78.1 77.1 67.7 77.2 76.8 80.7 87.1 87.7 77.1 69.0 76.8 80.7 87.1 87.7 77.1 69.0 76.8 80.7 87.1 87.7 77.1 71.6 79.4 83.2 89.7 90.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3 7 | 7.1 54.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 53.9 53.9 59.7 70.3 71.1 55.1 51.3 53.9 53.9 59.7 70.3 71.1 55.1 51.3 53.9 53.9 77.7 70.3 70.3 70.3 70.3 70.3 70.3 70.3 | 7.1 55.8 50.0 62.6 58.4 69.0 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 51.9 57.1 69.7 75.5 76.1 7.1 53.2 58.4 71.0 76.8 77.4 75.1 77.4 77.1 53.2 58.4 71.0 76.8 77.4 75.1 77.4 75.1 77.4 75.1 77.4 75.1 77.4 77.4 77.1 53.2 58.4 71.0 76.8 77.4 76.1 77.4 77.1 53.9 59.7 72.3 78.1 78.7 77.1 54.5 59.7 72.3 78.1 78.7 77.1 57.0 75.8 82.6 83.2 79.3 77.1 71.6 79.4 83.2 89.7 90.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3 7 | 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 55.1 51.3 63.9 69.7 70.3 7.1 51.9 57.1 69.9 57.1 69.7 75.8 77.4 75.5 75.1 71.6 73.2 58.4 71.0 76.8 77.4 75.1 71.6 73.9 69.0 71.0 76.8 77.4 75.1 75.1 54.5 59.7 70.3 72.3 78.1 78.7 77.4 75.1 77.4 75.1 77.6 77.4 72.3 78.1 78.7 77.4 78.1 78.7 77.1 59.0 75.8 80.7 87.1 87.7 77.1 59.0 75.8 80.7 87.1 87.7 77.1 71.6 79.4 83.2 89.7 90.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3 7 |

TOTAL NUMBER OF OBSERVATIONS

155

100

SMOS TANACE ANDS

SANTA ANA, CALIFORNIA

MENTHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (187) DEC

200

| CEILING | | | | | | | VISIA | VISIBILITY (STATUTE MILES) | TUTE MILE | (\$) | | | | | | |
|------------|------|------------|-----------|------|------|------|---------|----------------------------|-----------|-------|---------|------|-------|--------|------|-------|
| (FEET) | 2 | 41 | \$9 A1 | 4 | e Al | ≥ 2% | N Al | VI 2% | VI VI | - | % AI | * | Z AI | ≥ 5/16 | AI N | ٨١ |
| NO CEILING | 11.5 | 50.8 | 55.1 | æ . | | m 0 | 9 | 6000 | 1.79 | - | 67.8 | | 0.29 | | 0.89 | 68.2 |
| 20000 | | 23. | 20.0 | | | 0.10 | 0 | 1.1 | • | 12.0 | 7.7/ | 707 | • | 6.71 | 14.3 | 0.7/ |
| N 18000 | | 23 | • | 62.0 | | 07.1 | 70.5 | 71.1 | • | 72.1 | • | 12.3 | • | 72.4 | • | 72.7 |
| N 16000 | | 53 | 58.5 | 62.0 | | 1.19 | 0 | 71.1 | 11.4 | 72.1 | 72.3 | 72.3 | • | 72.4 | 72.4 | 72.7 |
| | | 55. | 9.09 | 64.2 | 1.69 | 9 69 | 72.3 | 73.3 | 13.6 | 74.3 | • | | 14.6 | 14.6 | 14.6 | 74.8 |
| 2 12000 | | 57. | 62.4 | 66.1 | 71.0 | 71.7 | 74.2 | 75.5 | 75.4 | 76.1 | 76.3 | 76.3 | 76.5 | 76.5 | 76.5 | 76.7 |
| 1 | | 58 | 63.5 | 67.2 | | | 5. | 76.5 | 76.7 | 77.4 | 17.6 | 17.6 | 1.1 | 1.1 | 11.1 | 78.0 |
| 000 | | 007 007 | 63.5 | 67.2 | 72.2 | 73.0 | 75.5 | 76.5 | 76.7 | 77.4 | 17.6 | 77.6 | 7.17 | 7.77 | 7.77 | 78.0 |
| | | 29 | 63.9 | 67.6 | | | 0.9/ | 16.9 | 17.2 | 17.9 | 78.1 | 8 | | 78.2 | 78.2 | 78.5 |
| 141 | | 29 | 0.49 | 67.7 | 72.7 | 73.6 | 76.1 | 77.1 | 77.3 | 78.1 | 78.5 | 78.2 | 78.4 | 78.4 | 78.4 | 78.6 |
| 1 | | 56 | 1.49 | 61.9 | | 13.8 | | 11.3 | | 78.3 | | | | • | 18.6 | 78.9 |
| 2000 | | 29. | 64.3 | 68.1 | | 74.0 | 76.6 | 77.6 | 77.8 | 78.6 | 78.7 | 78.7 | 78.9 | 78.9 | 78.9 | 79.1 |
| | | 53. | 64.3 | 1.89 | 73.6 | • | 0 | | | 78.6 | 78. | 18.7 | | | | 16.1 |
| 1 1 1 | | 60 | 65.0 | 68.6 | 74.0 | 74.8 | 77.5 | 78.5 | 78.7 | 19.4 | 19.6 | 19.6 | 19.8 | 79.8 | 6 | 80.0 |
| 1 | | 00 | | 69.4 | * | 15.4 | 18.1 | | 19.3 | 0.00 | 0 | 2.08 | | 80.3 | | 80.6 |
| 3000 | | 61. | 8.99 | 70.1 | • | 76.7 | 19.4 | \$0.08 | | 81.4 | 81.5 | 81.5 | 81.7 | 81.7 | - | 81.9 |
| 1 | | 63. | 58.5 | 12.7 | 78.0 | 0.6/ | 81.8 | 82.7 | | 83.7 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.3 |
| 7 2000 | | 64. | 10.4 | 74.7 | 80.1 | 81.1 | 83.9 | 84.8 | 85.1 | 85.00 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.4 |
| | | 04. | 1001 | 74.9 | 0 | 61.3 | 84.2 | 85.2 | | 86.1 | 86.3 | 86.3 | 86.5 | 9 | • | 86.7 |
| 1500 | | 66. | 73.1 | 78.5 | 83.8 | 84.8 | - | | 89.1 | 90.1 | 80.3 | 90.3 | 90.5 | 90.5 | 90.5 | 90.7 |
| | | 67. | 73.7 | 78.9 | 9.48 | 9.50 | 68.6 | | | 91.1 | 91.3 | 6116 | | - | - | 91.7 |
| 1000 | | 68 | 75.2 | 80.7 | | 87.7 | 2.16 | 4.26 | 92.7 | 93.8 | 0.46 | 0.46 | 3.46 | | 84.2 | 4.46 |
| | | 68. | 15.4 | 80.8 | 86.8 | 6.10 | 91.5 | 92.7 | 93.0 | 64.3 | 64.5 | | | 4.1 | 1.46 | 6.76 |
| 8 | | | 75.7 | 81.2 | 87.3 | 38.5 | 92.8 | 93.5 | 3 | 95.1 | 6.36 | 95.3 | 95.5 | 95.5 | 62.5 | 95.7 |
| | | .69 | 75.9 | 81.4 | - | 1 | | 93.6 | 0.56 | 95.2 | 95.5 | 95.5 | 95.7 | | 1.56 | 69.6 |
| 8 | | | 75.9 | 4. | 87.6 | 80 | | 93.7 | 0.46 | 65.3 | 92.6 | 92.6 | 95.7 | 95.7 | 95.7 | 0.96 |
| | | | 76.0 | 81.5 | 87.7 | 68.9 | 95.6 | 63.6 | 94.2 | 95.5 | 45.7 | | 0.06 | 0.96 | 0.96 | 96.2 |
| 94 | | 69 | 76.0 | 81.5 | 87.7 | 88.9 | | 63.6 | 64.3 | 92.6 | 95.8 | 95.8 | 1.96 | 96.1 | 96.1 | 96.3 |
| | | | 1.91 | 81.5 | 87.8 | • | 65.1 | | 4.46 | 95.8 | | | 0 | | | 96.6 |
| 7 200 | | 69 | 1.94 | 81.5 | 87.8 | 0.60 | 1.26 | 0.46 | 4.46 | 62.6 | 1.96 | 1.96 | 96.5 | 80.96 | 96.8 | 97.2 |
| 8 | 13.6 | 69.3 | 76.1 | 81.5 | 1. | 6 | 1.26 | 0.46 | 4.46 | 6.56 | 1.96 | 1.96 | 9006 | • | 97.0 | 98.0 |
| | | 69 | 76.1 | 81.5 | 67.8 | 0.69 | 92.7 | 0.06 | 4.46 | 6.56 | 1.96 | 1.96 | 90.06 | 96.6 | 97.0 | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

1240

N III

CEILING VERSUS VISIBILITY

93114

SANTA ANA, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

73-77

ALL

4

| | | | | | | 0.00 | | | | | | | | | | |
|------------|------|----------|------|----------------------------|-------|--------|-------|-------------|----------------------------|--------|---------|----------|------|--------|------------|-------|
| | | | | (FROM HOURLY OBSERVATIONS) | (FROM | HOURLY | LY OB | SERVA | OBSERVATIONS |) KENC | | | | | S TO SANCE | ۔ اُد |
| CEILING | | | | 7 | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | (\$) | | | | | | |
| (FEET) | 2 | 9 | 80 | 4 | E AI | ≥ 2% | 12 | VI 75 | VI 24 | - | % Al | a# Al | Z AI | ≥ 5/16 | N N | 0 11 |
| NO CEILING | 3 | 49.65 | 52.9 | 55.4 | 58.4 | 1.65 | 6000 | 60.7 | 8.09 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.3 | 4.19 |
| > 20000 | | 51.7 | 55.5 | 57.8 | 6.09 | 61.7 | 63.0 | 63.8 | 63.6 | 63.9 | 0.49 | 0.49 | 1.49 | 64.1 | 64.1 | 64.3 |
| | | 51.9 | 55.3 | 58.0 | 1.19 | 61.8 | 63.2 | 63.7 | | | 2.49 | 2.49 | 2.49 | 64.3 | 64.3 | 4.49 |
| ≥ 16000 | 3 | 51.9 | 55.4 | 58.1 | 61.1 | 6119 | 63.3 | 63.8 | 63.6 | 64.2 | 2.49 | 2.49 | 64.3 | 64.3 | 4.49 | 64.5 |
| | | 55.5 | 26.0 | 58.7 | 61.8 | 65.5 | 63.9 | 64.4 | 64.5 | 8.49 | | | 0.59 | 0.50 | 65.1 | 65.2 |
| ≥ 12000 | 3 | 53.2 | 56.9 | 56.5 | 65.6 | 4.69 | 9.99 | 65.3 | 4.59 | 63.7 | 65.8 | 65.8 | 62.6 | 62.3 | 0.99 | 1.99 |
| N 10000 | | 54.1 | 57.7 | 0 | | 5.79 | 6.59 | 9 | | 6699 | | 6.99 | | 0.19 | 0.19 | 67.1 |
| 0006 ~1 | . 4 | 54.1 | 57.7 | 60.5 | 63.7 | 64.5 | 0.99 | 4.99 | 9.99 | 8.99 | 6.99 | 6.99 | 0.19 | 0.49 | 67.1 | 67.2 |
| | | 54.8 | 58.4 | | 4. | 65.2 | 1.99 | 67.2 | | 9.29 | 1.19 | 1.19 | 61.8 | 67.8 | | 0.89 |
| 7000 | * | 55.1 | 58.7 | 61.5 | 8.49 | 62.6 | 67.1 | 67.6 | 67.7 | 0.89 | 0.89 | 68.1 | 1.89 | 68.2 | 68.2 | 68.3 |
| | * | 58.5 | 28.9 | 61. | 65.0 | 9 5 9 | 67.3 | 67.8 | 6.19 | 68.2 | 68.3 | 68.3 | | 4.89 | 68.5 | 9.09 |
| 2000 | | 55.7 | 29.4 | 62.2 | 65.5 | 66.3 | 67.8 | 58.3 | 4.89 | 68.7 | 8.89 | 68,8 | 6.89 | 68.9 | 0.69 | 1.69 |
| | | 26.0 | 28.1 | 62.5 | 65.8 | 1.99 | 58.5 | 68.7 | 66.8 | 1.69 | 69.5 | 2.69 | 69.3 | 69.3 | 4.69 | 69.5 |
| × 4000 | • | 57.0 | 2.09 | 63.5 | 66.3 | 67.7 | 2.69 | 69.7 | 8.69 | 70.1 | | 70.5 | 70.3 | 70.3 | 70.4 | 70.5 |
| | | 58.1 | 610 | | 68.1 | 68.9 | 4.01 | 10.9 | 71.1 | 71.4 | 11.4 | 11.4 | 11.5 | 71.5 | - | 71.7 |
| > 3000 | 'n | 61.1 | 65.0 | 61.0 | 71.2 | 12.1 | 73.7 | 74.2 | 74.3 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 14.9 | 75.0 |
| | | 63.9 | 61.6 | 10.9 | 74.3 | 15.2 | 16.9 | 77.3 | 77.5 | 77.8 | 17.9 | 6.11 | 6.1 | 78.0 | 78.1 | 78.2 |
| > 2000 | . 9 | 67.4 | 71.7 | 74.8 | 78.5 | 19.5 | 81.2 | 81.7 | 81.8 | 82.1 | 82.2 | 85.2 | 82.3 | 85.3 | 82.4 | 82.5 |
| | • | 67.8 | | | 1.64 | 90.1 | 31.7 | 82.3 | 82.4 | 82.7 | 85.8 | 85.8 | 85.9 | 85.9 | 83.0 | 83.1 |
| 1 1 300 | • | 71.1 | 16.0 | 19.5 | 83.7 | 0.40 | | 87.2 | 87.3 | 87.7 | 87.8 | 87.8 | 87.9 | 87.9 | 98. | 88.1 |
| 1200 | 9 | 72.2 | 77.3 | 81.0 | 85.5 | 69 | 8.7 | | | 00 | | 66.68 | 0.0 | 0.06 | 1.06 | 90.5 |
| | 10.6 | 13.6 | | 83.2 | 88.2 | 0.60 | 616 | 92.7 | 92.9 | | 43.4 | 93.6 | 93.5 | 93.5 | 93.6 | 93.7 |
| 8 | | 13.9 | 2.5 | | | 70.6 | 75.7 | 93.5 | 73.7 | 1.46 | 7.56 | 2.06 | 34.3 | 6.46 | 34.4 | 54.5 |
| | 9 | 14.1 | | 84.2 | 88.2 | 0.16 | 93.6 | \$. 46 | 24.7 | 1.56 | 3.56 | 95.5 | 65.3 | 62.3 | 4.56 | 92.6 |
| | 9 | 74.2 | 80.0 | 84.3 | 89.9 | 91.4 | 04.1 | 0.56 | 95.2 | | 95.9 | 6.56 | 62.6 | 0.96 | 1.96 | 3006 |
| 00 AI | . 9 | 74.3 | 80.1 | 84.6 | 1.06 | 91.7 | 5000 | 49.66 | 1.56 | 36.5 | 96.3 | 4.96 | 5.96 | 6.96 | 90.96 | 1.96 |
| 2 500 | 0 | . 5 | 80.2 | 84.8 | 60.5 | 92.1 | 6.46 | 0.96 | 36.2 | 6.96 | 1.76 | 1.16 | | 61.3 | 4.16 | 97.5 |
| | 9 | 74.3 | 80.3 | 84.9 | 90.06 | 95.3 | 95.1 | 800 | 96.6 | 97.3 | 4.16 | 97.5 | 91.6 | 97.7 | 97.8 | 0.86 |
| | 0 | * | 80.3 | 6.48 | 1.06 | | 95.2 | 7.96 | | 97.5 | 1.16 | 1.16 | 0.96 | 0.86 | 2.86 | 98.5 |
| 700 | 0 | 74.3 | 80.3 | 84.9 | 1.06 | 95.4 | 95.3 | 60.5 | 90.06 | 91.6 | 61.6 | 61.6 | 2.86 | 3.86 | 6.86 | 0.66 |
| | 10.0 | 74.3 | 80.3 | | 2006 | | 68.3 | 699.5 | | 9.46 | 6.16 | 6.16 | | 98.3 | 48.7 | 4.66 |
| ٥ | 0 | . 4 | 80.3 | 84.9 | 2006 | 45.6 | 95.3 | 60.5 | 96.8 | 91.6 | 6.16 | 6.16 | 2.86 | 98.3 | 14.86 | 0.00 |

TOTAL NUMBER OF OBSERVATIONS

14606

DIRNAVOCEANMET SMOS

SKY COVER

93114 SANTA ANA, CALIFORNIA STATION NAME

73-77

1

A A C

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 4.5 4.5 6 4.5 5.8 3 9.7 9.0 8 | | | | - | • | , | • | | | | 2 | SKY COVER | NO. OF |
|--|---|-----|------|------|------|-----|-----|-----|------|-------|------|-----------|--------|
| 04 44.5 04 41.3 07 25.2 10 25.8 | _ | | , | , | • | • | • | , | | | 2 | | ŝ |
| 25. | + | 2 | 4.5 | 6.5 | 4.5 | 3.9 | 3.2 | 1 3 | 3.9 | 0.7 | 20.6 | 3.0 | 155 |
| 25. | + | tr. | 5.8 | 3.2 | 2.6 | 2.6 | 4.5 | 3.2 | 5.8 | 4.5 | 21.9 | 4.1 | 155 |
| 25. | - | 1. | 0.6 | 8.4 | 5.00 | 3.2 | 3.2 | 3.9 | 7.1 | 5.8 | 18.7 | 4.3 | 155 |
| - | | 0 | 3.2 | 7.1 | 6.9 | 3.9 | 3.9 | 5.8 | 0.6 | 3.9 | 20.0 | 4.5 | 155 |
| 21.3 | _ | 8 | 11.6 | 5.8 | 5.2 | 3.2 | 6.5 | 5.8 | 11.0 | 7.1 | 16.8 | 8.4 | 155 |
| 20.6 | - | 7.7 | 7.7 | 10.3 | 20 | 3.9 | 5.5 | 6.9 | 0.6 | 80.00 | 17.4 | 4.7 | 155 |
| 19 39.4 | _ | 1.9 | 9.4 | 5.8 | 5.8 | 2.6 | 3.5 | 5.5 | 3.5 | 3.2 | 21.3 | 0.4 | 155 |
| 43. | 2 | 3.9 | 4.7 | 5.8 | 3.0 | 3.9 | 1.9 | 2.6 | 3.2 | 5.2 | 16.8 | 3.5 | 155 |
| | | | | | | | | | | | | | |
| | - | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 32.7 | | 6.1 | 7.5 | 9.9 | 5.0 | 3.4 | 4.0 | 4.3 | 6.5 | 4.8 | 19.2 | 4.2 | 1240 |

=

E

SKY COVER

SANTA ANA, CALIFORNIA 93114 STATION

0

0

0

0

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 9 10 SKY COVER OBS. |
|---|
| |
| 5.7 18.4 4.0 |
| 18.4 |
| |
| 5.7 18.4 6.4 29.1 12.8 27.7 8.5 26.2 |
| -+-+-+ |
| |
| |
| 1.4 |
| |
| 4 |
| 6 |
| 2 |
| - |
| 0 |
| - |
| (L.S.T.) |

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD

73-77

93114 SANTA ANA CALIFORNIA

MONTH

MAR

0

0

0

0

| | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-----|---------|------|-----|-----|-----------|------------|---|------------|-----------|-----|------|------|-----------|-------|
| E | (LS.T.) | 0 | - | 2 | 6 | 7 | 8 | 9 | 7 | 80 | ٥ | 0 | SKY COVER | OBS. |
| | 01 | 37.4 | 2.0 | 6.5 | 5.8 | 2.6 | 3.2 | 1.9 | 3.9 | 7.1 | 5.8 | 23.2 | 4.4 | 155 |
| | 90 | 40.0 | 1.9 | 5.2 | 2.6 | 1.99 | 4.5 | 3.9 | 6.1 | 6.5 | 5.2 | 25.8 | 4.4 | 155 |
| | 07 | 21.9 | 9.4 | 5.6 | 6.5 | 3.5 | 2.6 | 2.6 | 6.5 | 8.4 | 5.8 | 28.4 | 5.3 | 155 |
| | 10 | 22.5 | 4.5 | 3.9 | 4.5 | 6.1 | 4.5 | 5.8 | 4.0 | 7.6 | 11.0 | 23.2 | 5.6 | 155 |
| | 13 | 18.1 | 8.4 | 5.8 | 3.9 | 3.2 | 6.5 | 6.5 | 0.6 | 7.7 | 6.6 | 21.9 | 5.4 | 155 |
| | 91 | 22.6 | 6.5 | 6.5 | 4.5 | 30 | 5.2 | 7.1 | 7.1 | 0.6 | 12.9 | 12.9 | 4.9 | 155 |
| | 61 | 34.8 | 6.5 | 3.9 | 7.7 | 4.5 | 5.2 | 3.2 | 6.5 | 7.1 | 2.6 | 18.1 | 1., | 155 |
| | 22 | 39.4 | 1.9 | 0.6 | 7.7 | 4.5 | 2.6 | 5.00 | 3.2 | 3.9 | 3.9 | 18.1 | 3,00 | 155 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 101 | TOTALS | 7.62 | 5.1 | 5.8 | 5.4 | 3.5 | 4.3 | 4.6 | 5.8 | 7.4 | 7.0 | 21.5 | 4.7 | 1240 |

0

0

) ()

FEFF

SKY COVER

93114 SANTA ANA, CALIFORNIA

77-77

ERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| - | HOURS | | | | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTH | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|---------|------|-----|-----|-----------|---|------------|------------|-----------|--------------|------|------|-----------|-------|
| WOW I | (LS.T.) | 0 | - | 2 | 8 | - | 2 | 0 | 7 | & | 6 | 01 | SKY COVER | OBS. |
| APR | 10 | 46.0 | 1.3 | 0.9 | 0.4 | 2.0 | 3.3 | 2.0 | 4.7 | 5.3 | 3.3 | 22.0 | 3.9 | 150 |
| | 90 | 37.3 | 5.3 | 1.3 | 4.7 | 2.0 | ., | 4.0 | 1 | 4.0 | 4.7 | 35.3 | 6.4 | 150 |
| | 07 | 22.0 | 6.7 | 3.3 | 4.0 | 0.9 | 6.7 | 3.3 | 4.7 | 4.7 | 8.0 | 30.7 | 5.5 | 150 |
| | 10 | 22.7 | 4.7 | 4.7 | 0.0 | 0.0 | 4.7 | 6 | 8.0 | 8.0 | 6.7 | 23.3 | 5.3 | 150 |
| | 13 | 30.0 | 7.3 | 0.9 | 6.7 | 4.7 | 0.0 | 4.7 | 0.9 | 0.0 | 12.7 | 10.0 | 4.2 | 150 |
| | 16 | 38.0 | 0.8 | 4.7 | 6.7 | 5.3 | 5.3 | 0.4 | 7.3 | 4.0 | 5.3 | 11.3 | 3.5 | 150 |
| | 19 | 37.3 | 8.7 | 2.9 | 6.7 | 5.3 | 2.7 | 3.3 | 4.7 | 7.3 | 2.7 | 12.7 | 3.4 | 150 |
| | 22 | 52.7 | 5.3 | 2.7 | 2.7 | 2.7 | 2.0 | 1.3 | 3.3 | 4.0 | 1.3 | 22.0 | 3,3 | 150 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 01 | TOTALS | 35.8 | 5.9 | 4.4 | 5.4 | 4.3 | 3.9 | 3.2 | 6.4 | 5.4 | 5.8 | 20.9 | 4,3 | 1200 |

E

93114 SANTA ANA, CALIFORNIA

0

0

0

0

0

0

0

73-77

77

PERIOD

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | PERCENTAGE FRE | PERCENTAGE FREQUEN | TAGE FREQUEN | | CY OF TENTH | S OF TOTAL | SKY COVER | • | | 2 | TENTHS OF | NO. OF |
|--------------|----------------|--------------------|--------------|-----|-------------|------------|-----------|-----|-----|------|-----------|--------|
| 3 | - | - | | • | | | | | | 2 | | |
| 2.6 1.3 .6 | 1 | 1 | | 1.3 | 1.9 | 0 | 3.5 | 5.5 | 2.5 | 52.9 | 0.1 | 155 |
| 1.3 2.6 3.2 | _ | _ | 1.0 | 1.3 | 2.6 | 1.3 | 1.3 | 5.5 | 4.5 | 61.3 | 7.5 | 155 |
| 3.2 4.5 1.3 | _ | _ | 143 | 1.0 | 3.2 | 3.2 | 1.3 | 5.8 | 5.5 | 63.6 | 8.0 | 155 |
| 5.2 9.0 5.2 | _ | _ | , | 7.1 | 5.2 | 5.5 | 6.9 | 4.5 | 0.6 | 33.5 | 6.2 | 155 |
| 1.0 6.4 7.1 | _ | _ | - | 3.0 | 20.08 | 3.9 | 4.5 | 4.6 | 3.9 | 19.4 | 4.4 | 155 |
| 5.2 10.3 3.9 | _ | _ | 0 | 30 | 3.2 | 9 | 5.2 | 4.8 | 1.9 | 20.6 | 4.1 | 155 |
| 5.5 9.0 5.2 | | | | 5.5 | 4.5 | 1.3 | 1.9 | 5.6 | 5.6 | 27.1 | 4.5 | 155 |
| 5.2 2.6 3.9 | - | - | 0 | 2.6 | 9. | 1.9 | 1.9 | 3.9 | 5.5 | 40.9 | 5.5 | 154 |
| | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | |
| 8.8 | | | 11 | | | | | | 1 | | | |

E

E

SKY COVER

SANTA ANAS CALIFORNIA 93114 STATION

0

0

0

0

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | Y OF TENTH | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|------|------|------|-----------|------------|------------|---|-----------|-----|-----|------|-----------|-------|
| MONIN | (L.S.T.) | 0 | - | 2 | 6 | 1 | 5 | 0 | 7 | 80 | 6 | 0 | SKY COVER | OBS. |
| NOT | 10 | 30.7 | 2.0 | 1.3 | 4.0 | | 1.3 | 2.7 | 2.7 | 2.0 | 2.0 | 50.7 | 0.0 | 150 |
| | 40 | 21.3 | 2.7 | ., | 1.3 | 1.3 | 1.3 | | 7 | 0.4 | 2.7 | 64.0 | 7.2 | 150 |
| | 07 | 12.0 | 1.3 | 5.3 | 7. | 2.0 | 2.0 | 2.0 | 1.3 | 3.3 | 4.7 | 65,3 | 7.8 | 150 |
| | 10 | 24.7 | 2.0 | 0.8 | 6.6 | 4.0 | 2.7 | 2.0 | 5.3 | 7.3 | 6.0 | 28.7 | 5.2 | 150 |
| | 13 | 38.7 | 6.7 | 10.0 | 5.3 | 6.7 | 5.3 | 3.3 | 0.4 | 5.3 | 2.7 | 12.0 | 3,3 | 150 |
| | 16 | 46.7 | 6.7 | 0.9 | 5.3 | 0.0 | 2.7 | 5.3 | 1.3 | 0.0 | 3.3 | 8.7 | 2.8 | 150 |
| | 19 | 42.0 | 12.7 | 7.3 | 0.9 | 2.7 | 2.0 | 2.0 | 2.7 | 4.7 | 3,3 | 14.7 | 3.1 | 150 |
| | 22 | 0.55 | .7 | 4:0 | 3,3 | 2.0 | 2.7 | 2.0 | 2.0 | 6.7 | ., | 32.0 | 4.5 | 150 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 101 | TOTALS | 32.5 | 4.6 | 5.3 | 4.4 | 3.2 | 2.5 | 2.4 | 2.5 | 4.9 | 3.2 | 34.5 | 5.0 | 1200 |

SANTA ANAS CALIFORNIA 93114 STATION

73-77

-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTH | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|------|------|------|-----------|---|------------|------------|-----------|-----|-----|------|-----------|-------|
| MONIN | (L.S.T.) | 0 | - | 2 | 6 | 1 | 8 | 9 | 7 | 80 | 6 | 0 | SKY COVER | OBS. |
| JUL | 10 | 27.1 | 1.9 | 5.2 | 5.2 | 3.9 | 3.2 | 2.6 | 2.6 | 4.5 | 1.3 | 42.6 | 5.7 | 155 |
| | 90 | 20.6 | 1.9 | 4.5 | 1.9 | 2.6 | 9. | 9. | 1.3 | 3.9 | 1.3 | 9.09 | 6.9 | 155 |
| | 07 | 9.7 | 1.9 | 3.9 | 3.9 | 3.2 | 1.3 | 5.6 | 3.9 | 5.8 | 5.5 | 58.7 | 7.6 | 155 |
| 1 | 10 | 26.5 | 7.1 | 12.3 | 11.0 | 5.5 | 3.2 | 3.9 | 7.1 | 6.9 | 5.6 | 14.8 | 4.0 | 155 |
| | 13 | 47.1 | 10.3 | 11.6 | 7.1 | 5.5 | 3.2 | 1.9 | 3.9 | 4.5 | 1.9 | 3.2 | 2.2 | 155 |
| | 91 | 56.1 | 3.2 | 6.7 | 11.6 | 3.9 | 1.3 | | 3.9 | 3.9 | 3.9 | 2.6 | 2.0 | 155 |
| | 19 | 47.1 | 7.1 | 7.7 | 7.6 | 5.8 | 1.9 | 3.9 | 5.2 | 3.5 | 2.6 | 5.0 | 2.5 | 155 |
| | 22 | 41.9 | 6.5 | 3.00 | 7.1 | 3.9 | 9. | 3.9 | 3.9 | 1.9 | | 24.5 | 3.7 | 155 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 101 | TOTALS | 34.5 | 5.0 | 7.6 | 7.2 | 4.2 | 1.9 | 2.4 | 0.4 | 6.3 | 2.4 | 26.6 | 4.3 | 1240 |

0

0

0

0

0

0

OFO

OFO

5704 SKY COVER JAN 68

SANTA ANAS CALIFORNIA 93114

73-77

PERIOD

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0

0

0

| TENTHS OF NO. OF | | | - | 31.6 4.7 | 31.6 4.7 58.7 7.0 66.5 7.9 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 3.9 1.8 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 2.9 1.8 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 3.9 1.8 2.6 1.4 4.5 1.6 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 2.6 1.8 4.5 1.6 4.5 1.6 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 2.6 1.8 4.5 1.6 4.5 1.6 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 2.9 1.8 4.5 1.6 4.5 1.6 | 31.6 4.7 58.7 7.0 66.5 7.9 16.8 3.9 2.6 1.8 4.5 1.6 4.5 1.6 |
|------------------|-----|----------|------|----------|----------------------------------|--|---|---|---|---|---|---|---|
| | | 4.5 31.6 | | + | 5.8 58.7 | 5.2 66.5 | 5.8 58.7 5.2 66.5 1.3 16.8 | 5.8 58.7 5.2 66.5 1.3 16.8 .6 3.9 | 5.8 58.7 5.2 66.5 1.3 16.8 1.3 2.6 | 5.8 58.7 5.2 66.5 1.3 16.8 1.3 2.6 4.5 1.3 14.2 | 5.8 58.7 5.2 66.5 1.3 16.8 1.3 2.6 1.3 14.2 | 5.8 58.7 5.2 66.5 1.3 16.8 1.3 2.6 1.3 2.6 1.3 14.2 | 5.8 58.7 5.2 66.5 6.3 9 1.3 2.6 1.3 2.6 1.3 14.2 |
| ٠, ٠ | 4.5 | | 5.8 | | 5.2 | 1.3 | 3.2 6 | 9.2 6.1 | 2.2 6.1 6.1 6. | 2.2 1 5.1 6.1 | 2.2 6 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 | 6 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.2.6 |
| 2 6 | | + | | 3.2 5.2 | | 2.6 1.3 | 1 | | | | | | |
| , 9 6 6 | | | | - | 6.5 | | 1.3 | | | | | | |
| , 6: | 1.9 | 1.3 | | 1.3 | 20 | | 2.6 | 2.6 | 2.6 | 3.9 | 3 9 8 | 3 9 9 1 1 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 3.9 |
| 3.2 | 3.2 | 9. | - | 2.6 | 2.6 | | 3.2 | 3.2 | 3.2 | 3.2 | 2.2 | 2.2 | 2.2 |
| 3.2 | 3.2 | 9. | | | 4.5 | | 5.2 | 3.9 | 3.9 | 2.5 | 3.9 | 2.5 | 3.9 |
| 6 4 | 4 | | 5.2 | 3.9 | 11.0 | | 5.2 | 5.2 | 2.2 | 2.6 | 2.6 | 2.6 | 2.6 2.6 3.9 |
| 2 | | 7.7 | 3.9 | 4.5 | 19.4 | | 12.9 | 12.9 | 12.9 | 5.2 | 12.9 5.2 6.5 5.2 | 5.2 | 12.9 5.2 6.5 5.2 |
| - | | 3.9 | 1.3 | 3.2 | 0.6 | | 14.2 | 14.2 | 14.2 | 14.2 | 12.3 | 14.2 | 12.3 |
| • | | 31.6 | 19.4 | 1.1 | 20.6 | | 1 | - | | | | | |
| (L.S.T.) | | 10 | 90 | 07 | 10 | - | 13 | | | | | | |
| | | AUG | | | | | | | | | | | |

屋")

73-77 SANTA ANAS CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0

0

| | HOURS | | | | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTH | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|------|------|------|-----------|---|------------|------------|-----------|-----|-----|------|-----------|--------|
| MONIH | (L.S.T.) | 0 | - | 2 | 3 | 4 | 3 | 9 | , | | 9 | 10 | SKY COVER | NO. OF |
| SEP | 10 | 30.7 | 2.0 | 4.0 | 6.7 | 3.3 | 2.7 | 2.7 | 3.3 | 7.2 | 2,7 | 39.3 | 5,3 | 150 |
| | 90 | 22.0 | 4.0 | 3.3 | 4.0 | | 1.3 | 2.7 | 7 | 2.0 | 1.3 | 58.0 | 9.9 | 150 |
| | 07 | 10.7 | 2.7 | 4.7 | 3.3 | 3.3 | 2.0 | 2.0 | 7. | 0.9 | 5.3 | 59.3 | 7.5 | 150 |
| | 10 | 14.7 | 6.7 | 8.0 | 7.8 | 4.0 | 1.3 | 8.3 | 6.7 | 4.0 | 0.4 | 36.7 | 80 | 150 |
| | 13 | 31.3 | 10.0 | 12.0 | 10.0 | 4.7 | | 3.3 | 4.7 | 5.3 | 2.0 | 16.7 | 3.6 | 150 |
| | 91 | 45.3 | 8.7 | 7.3 | ε. | 2.0 | 0.4 | 7. | 2.7 | 6.7 | 0.4 | 13.3 | 3.1 | 150 |
| | 19 | 41.3 | 5.3 | 6.7 | 7.3 | 1.3 | 2.0 | 4.0 | 2.7 | 0.4 | 0.4 | 21.3 | 9. | 150 |
| | 22 | 43.3 | 2.0 | 0.4 | 3.3 | 0.9 | | 1.3 | 3.3 | 4.0 | 3.3 | 28.7 | 4.3 | 150 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| IOT | TOTALS | 29.9 | 5.2 | 6.3 | 6.1 | 3.2 | 1.8 | 2.8 | 3.1 | 4.3 | 3,3 | 34.2 | 5.0 | 1200 |

L

130

SKY COVER

1

PERIOD

73-77

SANTA ANA CALIFORNIA

0

0

0

0

0

00

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL | OBS. | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | | | 1240 |
|---|-----------|------|------|------|------|------|------|------|------|--|--------|------|
| MEAN | SKY COVER | 5.0 | 5.9 | 9.9 | 5.3 | 3.9 | 2.9 | 3.3 | 0 | | | 4.6 |
| | 01 | 36.8 | 47.7 | 45.6 | 17.4 | 12.3 | 0.6 | 14.8 | 23.5 | | | 25.5 |
| | 6 | 3.2 | 2.6 | 7.6 | 4.6 | 3.9 | 4.5 | 5.6 | 9.5 | | | 4.7 |
| | 80 | 1.9 | 2.6 | 6.5 | 12.3 | 7.1 | 3.9 | 7.1 | 4.5 | | | 5.7 |
| KY COVER | 7 | 1.3 | 3.2 | 4.5 | 7.1 | 8.8 | 1.9 | 2.6 | 3.2 | | | 3.7 |
| OF TOTAL S | • | 1.9 | 1.9 | 2.6 | 6.5 | 2.6 | 4.50 | 9 | 4.5 | | | 3.1 |
| OF TENTHS | 80 | 4.5 | 1.3 | 9 | 5.2 | 28 | 149 | 5.2 | 2.0 | | | 3.4 |
| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | 4 | 3.9 | 9. | 5.5 | 5.0 | 6.5 | 5.2 | 2.6 | 1.3 | | | 3.9 |
| PERCENTAGE | 6 | 5.8 | 20 | 1.9 | 7.1 | 12.3 | 0.6 | 5.8 | 3.9 | | | 6.5 |
| | 2 | 5.8 | 1.9 | 6.5 | 9.0 | 0.6 | 11.0 | 4 | 7.1 | | | 7.3 |
| | - | 3.9 | 2.6 | 1.9 | 1.9 | 6.5 | 0.6 | 5.2 | 3.9 | | | 4.4 |
| | 0 | 31.0 | 29.7 | 18.1 | 19.4 | 28.4 | 0.00 | 45.2 | 43.2 | | | 31.9 |
| HOURS | (L.S.T.) | 01 | 90 | 07 | 10 | 13 | 16 | 16 | 77 | | 814 | 2 |
| The state of | MONIH | 130 | | | | | | | | | TOTALS | |

=

SANTA ANA, CALIFORNIA

73-77

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | Y OF TENTH | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER | | | | MEAN | TOTAL |
|-----|----------|------|------|------|-----------|------------|------------|---|-----------|------|-----|------|-----------|----------------|
| MON | (1.5.1.) | 0 | - | 2 | 6 | 7 | 3 | 9 | 7 | 80 | 6 | 01 | SKY COVER | NO. OF OBS. |
| NOV | 10 | 46.7 | 4.0 | 3.3 | 0.9 | 3.3 | 0.4 | 2.7 | 2.7 | 3,3 | 2.7 | 21.3 | 3.6 | 150 |
| | 50 | 42.7 | 4.0 | 0.9 | 0.0 | 2.0 | 3.3 | 2.7 | 4.0 | 4.0 | 7. | 24.7 | 3.9 | 150 |
| | 0.7 | 25.3 | 0.0 | 0.9 | 2.0 | 7.3 | 5 | 6.7 | 4.7 | 10.7 | 3.3 | 22.7 | 4.9 | 150 |
| | 10 | 26.0 | 8.0 | 8.0 | 7.3 | 4.0 | 4.7 | 4.7 | 3.3 | 10.7 | 0.0 | 15.3 | 4.4 | 150 |
| | 13 | 26.7 | 8.0 | 9.3 | 13.3 | 5.3 | 5.3 | 4.0 | - 1 | 11.3 | 4.0 | 12.0 | 3.9 | 150 |
| | 91 | 26.0 | 10.0 | 14.7 | 6.3 | 1.9 | 23 | 3.3 | 1.3 | 8.0 | 6.1 | 10.7 | 3.7 | 150 |
| | 19 | 38.7 | 10.0 | 10.0 | 10.7 | 0.4 | 7.9 | 2.7 | 3.3 | 5,3 | ., | 8.0 | 2.8 | 150 |
| | 22 | 38.7 | 11.3 | 10.0 | 0.0 | 4.7 | 4.7 | ., | 2.7 | 0.9 | 2.7 | 12.7 | 3.1 | 150 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 101 | TOTALS | 33.9 | 7.7 | 4.0 | 7.6 | 4.7 | 4.7 | 3.4 | 3.1 | 7.4 | 3.4 | 15.9 | 3.6 | 1200 |

0

0

SKY COVER

93114 SANTA ANA, CALIFORNIA

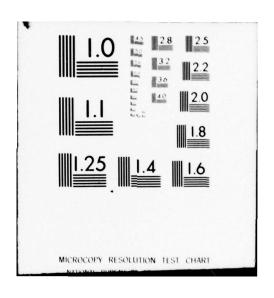
3-77

2011

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)





0

FO

SANTA ANAS CALIFORNIA 93114 STATION

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTH | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|---------|------|-----|-----|-----------|---|------------|------------|-----------|-----|-----|------|-----------|-------|
| MONTH | (LS.T.) | • | - | 2 | | - | 10 | • | 1 | | ٥ | 0 | SKY COVER | OBS. |
| IAN | ALL | 32.7 | 6.1 | 7.5 | 9.9 | 5.0 | 3.4 | 4.0 | 4.3 | 6.5 | 4.8 | 19.2 | 4.2 | 1240 |
| FEB | | 28.5 | 6.4 | 8.9 | 6.3 | 3.5 | 4.2 | 3.3 | 5.2 | 7.8 | 6.8 | 21.8 | 9.4 | 1128 |
| MAR | | 29.7 | 5.1 | 5.8 | 5.4 | 3.5 | 4.3 | 9.6 | 5.8 | 7.4 | 7.0 | 21.5 | 4.7 | 1240 |
| APR | | 35.8 | 5.9 | 4.4 | 5.4 | 4.3 | 3.9 | 3.2 | 6.4 | 5.4 | 5.8 | 20.9 | 4.3 | 1200 |
| MAY | | 22.5 | 4.8 | 6.0 | 3.8 | 3.6 | 3.4 | 2.3 | 3.2 | 5.9 | 4.7 | 40.0 | 5.9 | 1239 |
| NOT | | 32.5 | 4.6 | 5.3 | 4.4 | 3.2 | 2.5 | 2.4 | 2.5 | 6.4 | 3.2 | 34.5 | 5.0 | 1200 |
| 101 | | 34.5 | 5.0 | 7.6 | 7.2 | 4.5 | 1.9 | 2.4 | 0.4 | 4.3 | 2.4 | 26.6 | 4.3 | 1240 |
| AUG | | 38.2 | 7.6 | 8.2 | 5.9 | 3.2 | 2.4 | 2.4 | 1.8 | 2.9 | 2.6 | 24.9 | 3.9 | 1240 |
| SEP | | 29.9 | 5.2 | 6.3 | 6.1 | 3.2 | 1.8 | 2.8 | 3.1 | 4.3 | 3,3 | 34.2 | 5.0 | 1200 |
| 130 | | 31.9 | 4.4 | 7.3 | 6.5 | 3.9 | 3.4 | 3.1 | 3.7 | 5.7 | 4.7 | 25.5 | 4.6 | 1240 |
| NON | | 33.9 | 7.7 | 3.4 | 7.6 | 4.7 | 4.7 | 3.4 | 3.1 | 7.4 | 3.4 | 15.9 | 3 63 | 1200 |
| DEC | | 33.4 | 4.3 | 7.1 | 7.5 | 5.5 | 3.2 | 3.4 | 4.4 | 5.9 | 4.8 | 20.6 | 4.3 | 1240 |
| TOT | TOTALS | 32.0 | 5.5 | 6.7 | 6.1 | 4.0 | 3.3 | 3.1 | 3.8 | 5.8 | 4.5 | 25.5 | 4.6 | 14607 |
| | | | | | | | | | | | | | | |

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from dally observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows: ;
- a. Daily maximum temperature
- . Daily minimum temperature
 - c. Daily mean temperature
- Extreme values derived from daily observations with extreme value given for each year and month of record for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. available. Extremes are provided for a month if all days for a month contain valid observations. of daily extreme temperatures are prepared: ö
- a. Extreme maximum temperature b. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided: 3
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases. g.

A percentage frequency in this table of ".O" represents one or more occurrences amounting to less than .05 percent. NOTE:

Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means $(\sum X)$, and standard deviations (σX) . The number of observations used in the computations for each element is also shown. ġ.

dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in At the lower right of the form are given the mean number of hours of occurrence for six ranges of the annual summary, or mean number of hours per month in the tabulations by month. ;

Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- . Dry-bulb temperature
 - . Wet-bulb temperature
- .. Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables. 5
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. è
- The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. ments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

45-47. 51-53. 4.85

SANTA ANAS SEADINGRANIA

0

· 80

0

| ANNUAL | 9 | 9 | | 1.0 | 2 | | | | | 27.0 | 79.0 | 94.2 | 99.1 | 66.66 | 100.0 | | | | | | | | | | | | | | | | | | | | | 72.0 | |
|-----------|-----|----|-----|-----|-----|-----|-----|----|------|-------|-------|-------|-------|-------|-------|------|---|---|----|----|---|----|----|----|---|---|----|----|----|----|----|----|----|------|-----|------|-------|
| DEC. | | | | | | | | | • | 23.0 | 50.B | 8101 | 96.2 | 66.3 | 100.0 | | | | | | | | | | | | | | | | | | 1 | | | 65,3 | 0 |
| NOV | | | | | | | | | 2000 | 2306 | 82+9 | 98.4 | 80.66 | 100.0 | | | | | | | | | | | | | | | | | | | | | | 71.2 | 2 |
| | | | | 3.0 | | | 3,4 | 1 | 200 | 9 | 97.3 | 8 66 | 100.0 | | | | | | | | | | | | | | | | | | | | 1 | | | 76:0 | 2 |
| SEP. | - | | 2.3 | 0 7 | | | | | - | | 10000 | | | | | | | | | | | | | | | | | | | | | | 1 | | | 80.5 | |
| AUG. | | | | 7 . | | | | | | 10000 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | 81.2 | 4.000 |
| JUL. | | | | 0 1 | | | | | 000 | 94.0 | 100.0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | 19.4 | ** |
| NOT | | | • | | 3 3 | *** | | | | 300 | 2.86 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | 74.0 | 2000 |
| MAY | | | | 4 | | | | 30 | | 0.54 | 88.6 | 8.66 | 100.0 | | | | | 1 | | | | | | | | | | | | | | | | | | 70.5 | 43410 |
| APR. | | | | | • | | | | 0 | 37.8 | 68.7 | 95.7 | . 60 | 100.0 | | | | | | | | | | | | | | | | | | | | | | 68.3 | 00000 |
| MAR. | | | | | • | 3 | | | | 23.7 | 32.1 | 87.1 | 9 36 | 100 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 7*** |
| FEB. | | | | | | • | - | | | 29.0 | 84.0 | 89.2 | 00.2 | 100.0 | | | | | | | | | | | | | | | | | | | | 1 | | 66.3 | 0.374 |
| JAN. | | | | | | | | 2 | 1307 | 24.5 | 64,3 | 78.1 | 0.96 | 00.7 | 100 | 2000 | | | | | | | | | | | | | | - | | | | | | 65.2 | |
| TEMP (°F) | 110 | | .00 | 207 | | | | | * | 92 | 60 | 00 | 38 | 80 | | | | | | | | | | | | | | | | | | | | | | MEAN | |
| | AI | AL | AI | A | M | AI | M | 1 | 1 | | | Ał | AI | N | Al | A | ٨ | A | AI | AI | M | AI | AI | AI | A | M | AI | AI | AI | AI | ٨١ | AI | Al | AI A | 1 1 | | |

0 0 0 0 0 0 0 0

DAILY TEMPERATURES

67-77

SANTA ANAS SKAR LEGRINIA

| ANNUAL | | • | - | 6.5 | 23.1 | 4.9 | | | 10.0 | 90.9 | 98.1 | 99.9 | 100.0 | | | | | | | | | | | | | | 51.6 | 8.756 |
|-----------|---|----|-----|------|------|-------|-------|------|-------|-------|-------|-------|-------|--|---|---|--|--|---|---|---|---|--|--|---|---|------|-------|
| DEC. | | + | - | .2 | | 2 2 | | | 40.0 | 4.69 | 93.6 | 99.8 | | | | | | | | | | | | | | | 43.0 | 4.100 |
| NON | | + | | .2 | • | 4.0 | 7.66 | 26.0 | 2160 | 90.2 | 98.8 | 100.0 | | | - | 1 | | | | | | | | | 1 | | 9699 | 104 |
| .120 | | | 2 | 2.2 | 18.0 | 0 67 | 26. 2 | 1 | 2000 | 98.5 | 99.8 | 100.0 | | | | | | | 1 | | | | | | | | 53.0 | 200 |
| SEP. | • | 7. | 2.9 | 18.7 | 0.04 | | | | 99.6 | 100.0 | | | | | | | | | | - | 1 | 1 | | | | | 4.09 | 7 |
| AUG. | | 1 | 1.0 | 32.3 | 76.3 | 40 | 00 | 24.2 | 10000 | | | | | | | | | | | | | | | | | | 62.2 | |
| JUL. | | 1 | .2 | 20.6 | 47.4 | 70 | 00 | | 1000 | | | | | | | | | | | | 1 | | | | | | 0 | • |
| NO. | | | | 7 | 28.3 | 9 1 4 | 4 80 | • | 84.0 | 1000 | | | | | | | | | | | | | | | | | 57.8 | |
| MAY | | | | .2 | 4 | 44.9 | | | 94.4 | 4.66 | 100.0 | | | | | | | | | | | | | | | | 93.4 | |
| APR. | | | | | - | 0 | | | 70.4 | 95.7 | 99.8 | 100.0 | | | | | | | | | | | | | | | 46.0 | |
| MAR. | | | | | | • | | 9 | 9000 | 89.2 | 98.8 | 100.0 | | | | | | | | | | | | | | | 0.04 | |
| FEB. | | | 1 | | | | | | 200 | 80.6 | 96.2 | 00 | 100.0 | | | | | | | | | | | | | | 64.3 | |
| JAN. | | | 1 | | • | | | | 34.0 | 63.5 | 89.3 | 0.00 | 100,0 | | | | | | | | | | | | | 1 | 45.4 | |
| TEMP (*F) | | 9 | 70 | ** | | : | | | 45 | 00 | 35 | 30 | 25 | | | | | | | | | | | | | | MEAN | - |

0

ND

699201

0

0

5721 Daily Temperatures Jan 1969

SANTA ANA SANKERRNIA S. 1881.14

67-77

DAILY TEMPERATURES

0

ZEPZ

PERCENTAGE FREQUENCY OF OCCURRENCE

8

(FROM DAILY OBSERVATIONS)

CUMULATIVE

SEP

되

NS.

MAY

APR.

MAR

E

Y

TEMP (PF)

ANNUAL

DEC.

Š

AUG.

000 to 000 16.9

24.5

2000 1 2000 1 2000 2 2000 1

23.52

10000

1401 4300 1000 1000

0

0

0

AI AI A AI AI Al Al

0

AI AI AI AI

Al A

100.0

100.0

100.0

12.4

20.1 40.3 62.9 96.3

L

42

0

4.159 3.849 3.480 3.376 3.377 4.541 4.746 4.678 4.627 399 465 450 490 634 402 403 427 423

7.044

5.187 4.051 4.243 397 306 434

TOTAL OBS.

NAVWEASERVCOM

MEAN S.D.

100

O

1946-1947 1952-1952 9999-9999

SANTA ANA, CALIFORNIA

93114 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

MONTH

JAMUARY

| | MEAN TEMP | MP | | MA | MAXIMUM TEMP | Ь | | | W | MINIMUM TEMP | ΛP | |
|---------|-----------|------|------------|------|--------------|------|-------|------------|-----|--------------|------|-------|
| | AVERAGE | 36 | AVERAGE | 3E | EXTREME | ME | | AVERAGE | | EXTREME | ME | |
| DAY | 40 | 00 | J 0 | o, | u. | ٥, | DATE | u , | ٥, | 40 | ွ | DATE |
| - | 52,8 | 11.6 | 63.0 | 17.2 | 16 | 24.4 | 1969 | 42.6 | - | 36 | 1.1 | 1976* |
| 2 | 51.7 | 10.9 | 61.2 | 16.2 | 70 | 21.1 | 1969 | 42.2 | _ | 32 | 0.0 | 1976 |
| 3 | 50.9 | 10.5 | 62.8 | 17.1 | 87 | 30.6 | 1969 | 39.0 | | 30 | -1.1 | 1952 |
| 4 | 51.0 | 10.6 | 62.3 | 16.8 | 98 | 30.0 | 1969 | 39.7 | - | 82 | -2.2 | 1952 |
| S | 50.5 | 10.3 | 49.69 | | 19 | 26.1 | 1969 | 37.7 | 3.2 | 58 | - | 1972* |
| 9 | 51.5 | 10.8 | 63.2 | 17.3 | 75 | 23.9 | 6961 | 39.7 | | 30 | -1.1 | 1973 |
| 1 | 51.9 | 1101 | 62.2 | | 73 | 22.8 | 1976 | 41.0 | | 34 | 1.1 | 1976 |
| 00 | 50.5 | 1001 | 60.00 | | 74 | 3 | 1976 | 39.6 | - | 30 | -101 | 1968 |
| 6 | 51,8 | 11.0 | 63.3 | | 74 | 23.3 | 1947 | 0 | | 32 | 0.0 | 1952 |
| 10 | 51.4 | 10.8 | | | 72 | 2 | 1947 | 40.5 | 4.7 | 31 | | 1952 |
| 11 | 51.9 | 1101 | 63.5 | | 71 | - | 1976 | 40.3 | 4.6 | 33 | | 1952 |
| 12 | 54.5 | 12.5 | 4.49 | 18.0 | 73 | 22.8 | 1975 | 44.6 | | 36 | 2.2 | 1976 |
| 13 | 55.5 | 13.1 | | | 82 | | 1975 | | | 35 | | 1976 |
| 14 | 96.0 | 13.3 | | 20.6 | 63 | 28.3 | 1975 | 43.0 | 6.1 | 35 | 1.7 | 1968* |
| 15 | 56.4 | 13.6 | 69.1 | 20.6 | 87 | 30.6 | 1976 | 43.6 | 9.9 | 34 | 1.1 | 1971 |
| 16 | 57.3 | 14.1 | 68.3 | 2002 | 60 | 31.7 | 1976 | 40.4 | 8.0 | 3.35 | 1.7 | 1971 |
| 17 | 58.0 | 14.4 | 69.1 | 20.0 | 89 | 29.4 | 1977* | 46.9 | 8,3 | 37 | 2.8 | 1946 |
| 18 | 90.4 | 13.6 | 67.6 | 19.8 | 63 | 8 | 1971 | 45.2 | 7.3 | 31 | 9.0- | 1947 |
| 19 | 56.4 | 13.6 | | 19.8 | 82 | | 1976 | 45.0 | 7,2 | 31 | 9.0- | 1947 |
| 20 | 55.8 | 13.2 | | 19.0 | 82 | 27.8 | 1976 | 45.2 | 7.3 | 31 | 9.0- | 1973 |
| 21 | 55.1 | 12.8 | 65.4 | 18.6 | 80 | 9 | 1976 | 44.6 | 7.1 | 32 | 0.0 | 1947 |
| 22 | 55.6 | 13,1 | 4.99 | 19.1 | 16 | ; | 1976 | | 7.1 | 33 | 9.0 | 1946 |
| 23 | 55.7 | 13.2 | | 19.7 | 80 | 27.2 | 1968 | 1.44 | 6.7 | 34 | 1.1 | 1947 |
| 24 | 56.1 | 13.4 | 68.3 | 20.3 | 81 | - | 1968 | | 6.9 | 32 | 0.0 | 1973* |
| 25 | 54.9 | 12.7 | | 18.9 | 20 | : | 1977 | | 9.9 | 35 | 0.0 | 1947 |
| 26 | 53.7 | 12.1 | 0.69 | 18.3 | 76 | 24.4 | 1946 | 42.5 | 5,8 | 31 | 9.0- | 1941 |
| 27 | 54.2 | 12.3 | 0.99 | 18.9 | 90 | 26.7 | 1971 | | 5.8 | 35 | 0.0 | 1973 |
| 28 | 53.5 | 11.9 | 6.99 | 19.4 | 83 | 30.6 | 1976 | | 9.9 | 32 | 0.0 | 1975 |
| 62 | 52.9 | 11.6 | 9.50 | 18.6 | 78 | 25.6 | 1976 | *0* | 4.7 | 35 | 0.0 | 1947 |
| 30 | 51.5 | 10.8 | 64.5 | | 9, | 24.4 | 1976 | 36.5 | 300 | 52 | | 1946 |
| 31 | 52.7 | 11.5 | 4.49 | 18.0 | 08 | 26.7 | 1976 | | 200 | 35 | 0.0 | 1947 |
| Monthly | 53.8 | 12.1 | 65.2 | 18.4 | 89 | 31.7 | 1976 | 45.4 | 5.8 | 28 | -2.2 | 1952 |

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93114 STATION

O

12175 91981

0

0

0

0

0

חשת

1946-1947 1952-1952 9999-9999 YEARS SANTA ANAS CAL JEURNIA STATION NAME

MONTH PEBRUARY

| | | DATE | 1946 | 1946 | 1972 | 1946 | 1946 | 1946 | 1974 | 1974# | 1946 | 1946 | 1946 | 1946 | 1972 | 1946 | 1946 | 1952 | 1946 | 1952 | 1952 | 1946 | 1974 | 1976 | 1952 | 1441 | 1977 | 1974* | 1441 | | 1952 | | | 1946 |
|--------------|---------|----------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|----|----|---------|
| Ь | | ၁့ | 2.8 | 101 | 2.2 | 1.7 | 0.0 | 9.0- | 1.1 | 3.9 | 1.7 | -1.1 | -1.7 | -1.7 | 2.2 | 9.0- | 1.1 | 1.7 | | 9.0 | 2.2 | 1.1 | • | 2.2 | 3.3 | 2.8 | 3.3 | 3.3 | | 2,2 | 3.9 | | | -1.7 |
| MINIMUM TEMP | EXTREME | 40 | 37 | 34 | 36 | 35 | 32 | 31 | 34 | 36 | 38 | 30 | 62 | 62 | 36 | 31 | 34 | 35 | 35 | 33 | 36 | 34 | 38 | 36 | 38 | 37 | 38 | 38 | 36 | 36 | 39 | | | 62 |
| MIN | | 00 | 5,9 | 5.7 | 0.9 | 6.1 | 6.2 | 6.7 | 9.9 | 1.9 | 8.9 | 6.9 | 7.3 | 6.9 | 7,1 | 6.9 | 6.7 | 6.9 | 7,2 | 6.2 | 6.7 | 9.9 | • | 9.9 | | 1.1 | 6.9 | 7,1 | 261 | 7.2 | 8.4 | | | 6.8 |
| | AVERAGE | 4° | 42.7 | 42.2 | 42.8 | 43.0 | 43.2 | 44.1 | 43.9 | 46.3 | 48.1 | 44.5 | 45.2 | 44.2 | 44.8 | 44.5 | 44.0 | 44.5 | 44.9 | 43.2 | 0.44 | 43.6 | 45.1 | | 43.6 | | 44.5 | | 0.64 | 45.0 | 47.2 | | | 6.44 |
| | | DATE | 1976 | 1974 | 1974 | 1947 | 1952 | 1992 | 1970 | 1970 | 1971 | 1977 | 1977* | 1977 | 1977 | 1977 | 1977 | 1977 | 1977 | 1970 | 1973 | 1973 | 1976 | 1976 | 1968 | 1974 | 1968 | 1976 | 1976 | 1977 | 1968 | | | 1977 |
| • | E | 00 | 27.8 | 24.4 | 26.1 | 26.7 | 23.9 | 26.7 | 26.1 | 28.3 | 27.2 | 26.7 | 25.0 | 58.9 | 26.7 | 25.6 | 30.0 | 29.4 | 23.3 | 22.8 | 23.9 | 23.9 | 24.4 | 26.1 | 25.0 | 27.2 | 28.3 | 24.4 | 22.8 | 22.8 | 24.4 | | | 30.0 |
| MAXIMUM TEMP | EXTREME | J. 0 | 82 | 76 | 19 | 80 | 75 | 90 | 46 | 83 | 81 | 80 | 11 | 98 | 80 | 78 | 98 | 85 | 14 | 73 | 75 | 75 | 16 | 64 | 77 | 10 | 83 | 16 | 73 | 73 | 16 | | | 86 |
| MA | | ۍ د | | 19.9 | | | | 19.7 | | | | | | | | | | | | | - | | 18,1 | | | | | 6 | 19.3 | | 18.7 | | | 19.1 |
| | AVERAGE | 3° | 65.6 | - | 68.5 | | | 67.5 | 67.1 | 65.7 | - | 65.8 | 66.1 | 0.70 | * | 65.8 | 67.4 | 65.2 | 65.3 | 65.2 | 0.49 | - | 4 | - | - | | 0 | - | 0 | 9.49 | 65.7 | | | 66.3 |
| | | <u>ي</u> | 12.4 | 12.8 | 13.2 | 12.8 | 12.3 | 13.2 | 13.1 | 13.3 | 13.7 | 12.8 | 13,1 | 13.1 | 12.8 | 12.8 | 13.2 | 12.7 | 12.8 | 12.3 | 12.2 | 12.6 | 12.7 | 13.1 | 12.7 | 13.4 | 13.9 | 13.4 | 13.3 | 12,7 | 13.6 | | | 12.9 |
| MEAN TEMP | AVERAGE | u., | 34.3 | 55.0 | 55.7 | 0.68 | 54.2 | 55,8 | 55,5 | 26.0 | 56.6 | 55.1 | 92.6 | 55.6 | 55.1 | 55.1 | 55.7 | 84.8 | 55.1 | 54.2 | 94.0 | 34.7 | 54.8 | \$5.6 | 54.9 | 56.1 | 57.1 | 56.1 | 55.9 | 54.8 | 56,5 | | | 55.3 |
| | L | DAY | 1 | 2 | 3 | 4 | 2 | 9 | 7 | 80 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 53 | 30 | 31 | Monthly |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

1945-1947 1952-1952 9999-9999

SANTA ANA CALIFORNIA

93114 STATION

*NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

MONTH

MARCH

| | | DATE | 1945 | 1977* | 1971 | 1976 | 1945 | 1961 | 1961 | 1961 | 5461 | 1947* | 1969 | 1977 | 1976 | 1973 | 1973 | 1973 | - | | | 1 | - | - | - | - | - | 1947 | - | - | - | 1961 | 1973 |
|--------------|---------|------------|------|-------|------|------|-------|----------|------|------|-------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| a ! | | ၁့ | 1.1 | 3.3 | • | 2.2 | | 9.0 | | 2.2 | | 4.4 | 4.4 | 4.4 | 3,9 | 1.7 | | 3.9 | 4.4 | 5.6 | 3.3 | *** | 3.3 | 5.0 | 3.9 | 1.7 | 7.2 | 6.1 | 3.9 | 2.8 | 1.7 | 9.0- | |
| MINIMUM TEMP | EXTREME | , F | 34 | 38 | 34 | 36 | 34 | M | 35 | 36 | 37 | 04 | 0 | 04 | 39 | 35 | 35 | 39 | 04 | 42 | 38 | 04 | 38 | 41 | 39 | 35 | 6.5 | 43 | 39 | 37 | 35 | 31 | 39 |
| | | 000 | 7.6 | 7.4 | | 4.0 | | | 6.9 | 7.6 | 7.6 | 7,2 | 7.8 | 7,2 | 8,2 | | | | 8.4 | | 8.6 | 8.3 | | | | | | | | | 8 . 4 | 8.4 | 4.8 |
| | AVEHAGE | 40 | 45.7 | 42.4 | 3. | 43.5 | | 3. | 3 | 45.0 | 45.6 | 44.9 | 46.0 | 44.9 | 46.8 | 45.3 | 44.4 | 46.6 | | | | 47.0 | | 47.0 | | 9 | 50.5 | 48.7 | 47.2 | 47.7 | • | 47.2 | 47.1 |
| + | | DATE | 1961 | 1972 | 1968 | 1968 | 1977* | 1977 | 1977 | 1977 | 1972# | 1972 | 1977 | 1947 | 1947 | 1970* | 1970* | 1976 | 1976 | 1975# | 1970 | 1976 | 1968 | 1976 | 1970 | 1968 | 1947 | 1969 | 1969 | 1968 | 1971 | 1945 | 1976 |
| 1 | | 0, | 27.2 | | 25.0 | 33.3 | 22.8 | | 22.8 | 22.2 | | | 22.2 | | | | | 26.7 | 25.0 | 20.6 | 23.3 | 25.0 | 27.2 | 4.62 | 23.3 | 9 | 8 | 28.3 | 9 | 5 | 26.7 | 27.8 | 24.4 |
| MAXIMUM LEMP | EXTREME | H 0 | 81 | 75 | 77 | 92 | 73 | 76 | 73 | 72 | 69 | 72 | 72 | 18 | 84 | 63 | 16 | 80 | 77 | 69 | 74 | 11 | 81 | 85 | 74 | 46 | 84 | 83 | 80 | 78 | 80 | 82 | 76 |
| | | 200 | 18.1 | 18.0 | 18.1 | | 17.8 | | 18.1 | 17.1 | | | 17.7 | | | | 20.4 | 20.5 | 8. | | | 19,2 | | | | | | | | | | 1002 | |
| 0.00 | AVEHAGE | F. | 9.49 | 9.40 | 64.5 | 64.5 | 0401 | 65.7 | : | | 62.8 | 65.0 | 63.8 | 65.8 | .0 | 67.5 | 68.8 | 689 | 5 | | | 66.5 | - | 1. | | 9.89 | 8.99 | | 1.99 | | 67.8 | | 66.8 |
| | | 0, | 12.9 | 12.7 | 12.2 | 12.2 | 12.1 | 12.6 | 12,3 | 12.3 | 12.3 | 12.2 | 12.7 | 13.0 | 13,6 | 13.6 | 13.7 | 14.3 | 13.6 | 13.7 | 14.2 | 13,7 | 13.9 | 14.0 | 13.4 | 14.1 | 14.8 | 14.4 | 13.8 | 14.0 | 14.1 | 14,3 | 13.9 |
| MEAN LEMP | AVERAGE | 4, | 55.2 | 84.9 | 54.0 | 94.0 | 53.8 | 54.7 | 54.1 | 54.5 | 54.2 | 69 65 | 54.9 | 55.4 | 56.5 | 56.4 | 90,95 | 57.8 | 56.4 | 56.6 | 57.5 | 56,7 | 57.0 | 57.2 | 56.2 | 57,3 | 58.7 | 59.0 | 56.9 | 57,2 | 57.4 | 57.7 | 57.0 |
| 1 | | DAY | - | 2 | 3 | 4 | 2 | 9 | 7 | 80 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 59 | 30 | 31 |

0

=

*ALSO ON EARLIER YEARS

1945-1947 1952-1952 9999-9999

SANTA ANA. CALIFORNIA

STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

MONTH

APRIL

| | AGE | o°. | 8.8 | | 7. | 7, | | | 8 | 8.3 | 7, | 7. | | 6 | 6 | 8.8 | 8 | 6 | 6 | 6 | 6 | 0.6 | | | 6 | 6.6 | 9.7 | 10.0 | | 1001 | 10.2 | 10.4 | | 8.9 |
|--------------|---------|------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|-------|----|---------|
| | AVERAGE | ₽ ° | 47.9 | 45.5 | 45.0 | 44.9 | 45.7 | 45.5 | 46.8 | 47.0 | 46.3 | 46.2 | 47.2 | 49.6 | 49.3 | 47.9 | 46.8 | 48.3 | 48.4 | 49.2 | 48.6 | 48.2 | 48.3 | 49.3 | 48.4 | 49.1 | 49.5 | 50.0 | 49.3 | 50.2 | 50.3 | 50.7 | | 48.0 |
| | | DATE | 1971 | 1971 | 1971 | 1971 | 1971* | - | 1945 | 1973 | 1973 | 1947 | 1946 | 1947 | 1947 | 1947 | 1974* | 1947 | 1969 | 1970 | 1977 | 1976 | 1977 | | 1977* | 1977 | 1968 | 1969 | 1969 | 1969 | 1974 | 1976# | | 1947 |
| ΛP | ME | o°. | 27.2 | 25.6 | 30.6 | 31.7 | 28.3 | 54.4 | 26.1 | 26.1 | 25.0 | 25.6 | 29.4 | 27.8 | 33.9 | 27.8 | 25.0 | | a | | 25.6 | 27.2 | 26.1 | 27.8 | 27.8 | 27.2 | 3 | 27.2 | 28.9 | 9 | 23.9 | • | | 33.9 |
| MAXIMUM TEMP | EXTREME | 9 6 | 81 | 78 | 87 | 89 | 83 | 16 | 79 | 79 | 77 | 78 | 83 | 95 | 63 | 82 | 77 | 77 | 74 | 77 | 78 | 81 | 29 | 82 | 82 | 8 | 77 | 81 | 9.6 | 19 | 75 | 90 | | 63 |
| W | 3.6 | o° c | 19,3 | | 20,2 | 21.9 | 22,3 | 20.2 | 20.1 | 19.3 | 19.3 | 20.0 | | 20.2 | | 19.7 | 19.7 | 19.8 | 18.6 | 19.2 | 19.6 | 20.3 | 20.1 | 20.2 | 21.1 | 19.9 | 20.4 | 21.1 | 20.4 | 20.1 | 20.5 | 21.1 | | 20.2 |
| | AVERAGE | 9. | 66.8 | 67.4 | 6863 | 71.4 | 72.1 | 68.3 | 68.2 | 66.8 | 2.99 | 0.69 | | 68.3 | 9.19 | - | ~ | 67.7 | 65.5 | -0 | - | 68.5 | 68.1 | | | 6.7.9 | 68.7 | 70.0 | 08.7 | 68.2 | 68.0 | 6.69 | | 68.3 |
| <u> </u> | | 00 | 14.1 | 13.6 | 13.7 | 14.6 | 14.9 | 13.8 | 14.2 | 13.8 | 13.6 | 14.2 | 14.4 | 15.0 | 14.7 | 14.3 | 13.9 | 14.4 | 13.9 | 14.3 | 14.4 | 14.6 | 14.6 | 14.9 | 15.1 | 14.7 | 15.1 | 15.6 | 15.0 | 15.1 | 15,3 | 15.7 | | 14.6 |
| MEAN TEMP | AVERAGE | 9 °F | 57.3 | 56.4 | 56.7 | 58,2 | 58.9 | 56.9 | 57,5 | 56,9 | 56,5 | 57.6 | 58.0 | 59.0 | 58.5 | 57.7 | 57.1 | 56.0 | 57.0 | 57,8 | 57.9 | 58.3 | 58.2 | 58,8 | 59.1 | 58,5 | 59.1 | 0.09 | 29,0 | 59.5 | 29.6 | 60.3 | | 58.2 |
| | | DAY | 1 | 2 | 3 | 4 | 5 | 9 | 7 | 80 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Monthly |

0

*ALSO ON EARLIER YEARS

Q

0

DAILY AVERAGE/EXTREME TEMPERATURES

* NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

SANTA ANA. CALIFORNIA

STATION NAME

STATION

0

12294 9/901

0

0

1945-1947 1952-1953 9999-9999

.

MONTH

MAY

953 953 967* 1945 1945 1953 1953 1953 968 1968 1949 1945 1945 953 946 975 1945 7.2 4.5 5.6 9.6 10.0 7.2 3.9 6.7 5.6 6.1 6.1 6.1 EXTREME MINIMUM TEMP 46 95 39 24 2 4 64 44 46 43 42 35 43 4 5 43 1.0 1,3 12,7 12.5 10.3 0.0 111.3 3.0 1:1 11.9 AVERAGE 53.6 52.6 54.5 50.9 52.4 51.9 53.7 54.2 52.7 54.1 54.1 53.3 53.3 53.6 54.1 51.9 52.3 52.5 53.5 55.3 1976# 1953 1977 1970 1953 1953 1953 696 1970 1968 1967 1967 1968 1967 1967 1967 1972 1967 26.1 23.9 33.3 59.4 28.9 25.0 24.4 32.2 30.0 25.6 27.8 26.1 27.8 23.9 30.0 35.6 30.0 27.2 31.7 32.2 28.9 3101 34.4 26.7 EXTREME MAXIMUM TEMP 60 39 1 3 5 2000 86 0 8 98 96 26 \$ 50 A 82 83 23.6 19.8 20.2 21.0 50.0 20.9 21.6 22.5 21.6 22.8 20.9 20.9 20.6 21.8 22,1 19.7 20.6 20.6 21.4 23.0 21.4 20.7 2101 21.3 AVERAGE 67.70 70.9 72.5 69.3 69.1 68.3 69.8 71.6 6.69 71.3 69.7 69.7 70.3 70.5 73.4 69.1 73.1 69.1 71.1 71.3 6.9 16.9 16.6 16.9 15.8 16.9 16.8 16.3 15.6 3.4 16.3 4 . 9 16.9 7.4 7.6 7.4 16.7 16.4 16.1 15,1 16.1 18.1 MEAN TEMP AVERAGE 61.4 6.09 010 61.9 62.1 62.5 62.9 63.2 4.10 65.3 61.6 61.3 62.5 60.1 59,1 4.09 60.09 61.4 62.1 62.5 62,5 Monthly DAY 12 16 18 19 20 22 25 27 6 30 10 14 15 17 23 24 56 28 31 2 9 œ 6 = 13 21

ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

SANTA ANA. CALIFORNIA

93114 STATION

0

STATION NAME

1945-1947 1952-1953 9999-9999

NO

MONTH

973 946 973 9754 973 1967 946 967 947 967 546 648 696 9.0 10.6 5.6 10.0 12.2 3.6 0.0 0.0 8.9 10.0 12.8 12.2 0.0 12.2 0.0 10.0 11:1 11.7 1101 11.7 1.1 11:1 EXTREME MINIMUM TEMP 23 200 20 20 42 250 34 54 52 42 53 50 13.9 14,2 1904 14.2 14.3 4.4 5.2 14.3 5,2 4 . 8 4.7 6 . 4 . 1401 AVERAGE 56.5 57.9 57.3 57.6 57.5 57.8 58.5 57.9 57.8 96.9 57.2 57,3 58.4 58.8 1976* 1972 976# 1973 1976 1976 1968 946 916 976 9461 1972 1976 696 27.2 35.0 38.9 27.8 25.6 54.4 28.3 26.7 24.4 26.7 26.7 27.8 26.7 28.3 33,3 32.2 34.4 33.3 32.8 34.4 28.9 26.7 38.9 36.1 31.1 26.7 EXTREME MAXIMUM TEMP 08 18 94 90 16 80 8 8 80 16 208 56 76 102 92 88 85 6 00 00 22.4 20.8 51.9 21.0 22.9 23.5 22.9 24.6 24.2 23.6 24.0 24.6 23.3 21.9 21.3 22.3 24.2 23.2 25.4 25.3 24.5 25.1 24.1 AVERAGE 72.3 10.9 73.3 74.0 72.7 74.3 73.3 77.2 75.5 75.3 76.5 77.5 71.6 4.69 70.4 71.5 73.8 74.4 15.2 76.3 72.1 76.1 17.9 18.3 18.9 19.6 18.8 17.9 17.7 18.6 18.6 19.6 19.9 19.5 18.5 18.2 19.1 19.4 18.7 19.3 19.4 20.02 18.1 8.1 19.7 20.1 18.1 19. MEAN TEMP AVERAGE 62.9 9.49 64.3 63.8 64.3 65.5 67.5 66.7 66.7 66.3 67.3 Monthly DAY 12 15 16 18 22 2 9 8 5 11 13 14 17 19 20 21 23 24 25 36 27 28 29 30 6 1

0

20

0

0

0

ALSO ON EARLIER YEARS

1

1945-1947 SANTA ANA, CALIFORNIA

STATION NAME

6666-6666 1952-1953

| _ | |
|---|--|
| 5 | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| I | | |
|---|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Z | | |
| | | |
| | | |
| 0 | | |
| | | |
| | | |
| | | |
| 5 | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| I | |
|----------|--|
| <u>-</u> | |
| Z | |
| 0 | |

אחר

| 1 | | _ | _ |
|---|--|---|---|
| 1 | | | |

| A RAGE/EXTREME | TEMP | M |
|----------------|------|---|
| | | |

0.0

5

14.4 14.7 15.9

> 58.4 9009

1970 1970

33 . 3

25.7 25.6

78.3 78.1 76.5

20.2

4.89 68.2

20.1 20.3 20.3

76.4

19.3

8.99

o

4

DAY

MEAN TEMP AVERAGE 58.5

1970

1975#

60.8 9009 9.09

1976

30.6

31.1 31.1

88 88

76.5

20.5

689

68.5

4

20.9

69.7

œ 6

26.0

78.8

27.1

80.7

21.1

70.07

87

24.7 24.7 25.1

S

EXTREME MINIMUM TEMP

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

11:1

| | | | | | _ | | | | | | |
|---|---|---|---|---|----|---|---|---|---|---|-----|
| | - | - | - | - | 16 | - | - | ~ | ~ | ~ | - |
| 五 | | 9 | 9 | | | - | - | 5 | | 3 | 952 |
| A | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 0 | - | | | - | - | - | - | | - | - | - |

| 30 | 96 | 696 | 746 | *296 | 776 | 952 | OR. |
|----|----|-----|-----|------|-----|-----|-----|

13,3

12.8 10.6

| TEIVIE | I EIVIF | IVI |
|--------|---------|-----|
| | | |
| | | |

| EMP | MAR | 1978 |
|-----|-----|------|
| | | |

| IP | MAR | 1978 |
|----|-----|------|
| | | |

| | E3 | 1 |
|---|-----|------|
| P | MAR | 1978 |
| | | |



0.0

00000000

59.4

1968 1968

86

26.7

90.08

33.3 36.7 32.8 31.7

1975

1968

59.4

89 8

26.6

19.9 78.5 76.8

80.1

21.2 20.9

21.2

70.2 70.2

10

=

12

13 14

28.3 28.9

976*

59.3

10.0 8.9

| | | | | | | | ١ |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 2 | 1 | 1 | 1 | 1 | ı |
| | | | | | | | ŀ |
| 0 | 9 | N | - | - | - | - | ľ |
| • | 9 | 0 | C | 0 | • | 0 | ١ |

1974



56





61.9

35.2

98 83

26.1

26.4

19.2

79.5

21.5

2104

70.7

20 21 21.1

1974

30.0

86

26.3

18:1

79.4 78.9

21.2

70.2

18

19

17

21.3

31.1

31.1

88 8

25.4

77.7

20.8 20.9 20.9

15 16

20.6

20.7

69.6

90

25.2

6119

61.3

1945 972

28.9 32.2 31.1

84

26.0

6.61 81.0

21.9

71.1

78.8

28.3















































































3.3

62.2

62.1

\$774

31.7

68

27.7

81.8 82.7

22.2

72.0

25

24

23

22

72.3

1977

35.0 36.1

28.2

83.5

22.4

82.1



3.9



12.8



12.8

1000

62.0

1972

69.6

1972

972

33.9

28.5

82.7

81.9

22.9

22.7

73.2

27 28 53 30 31

26

26.4

79.5

21.3

70.3

Monthly

22.8

36.1

\$696

947

16.1





*NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93114 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

SANTA ANA. CALIFORNIA STATION NAME

AUGUST

MONTH

1945-1947 1952-1953 9999-9999

| | | DATE | 1970* | 1968 | 1975 | 1976 | 1968 | 1973 | 1973 | 1973* | 1945 | 1973* | 1976* | 1976 | 1945 | 1945 | 1945 | 1946 | 1946 | 1946 | 1976# | 1972 | 1975* | 1973 | 1973 | 1973* | 1963 | 1946 | 1975* | 1973 | 1946 | 1945 | 1945 | 1044 |
|--------------|---------|----------|-------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|---------|
| | E | ၁့ | 15.0 | 13,3 | | | 13.3 | 13,9 | 12.8 | 12.2 | 12.8 | 15.0 | 15.6 | 13,3 | 1101 | 10.0 | 4.6 | 11.7 | 12.8 | 13.9 | 15.0 | 13.9 | 14.4 | 13,3 | 10.0 | 12.8 | | 12.2 | 12.2 | | 12.8 | 8.9 | 10.0 | 8.9 |
| MINIMUM TEMP | EXTREME | ±° | 56 | 26 | 19 | 58 | 56 | 57 | 55 | 24 | 53 | 59 | 00 | 96 | 52 | 20 | 64 | 23 | 55 | 57 | 29 | 57 | 58 | 96 | 90 | 55 | 20 | 96 | 96 | 25 | 25 | 48 | 20 | 8 9 |
| MI | | ٥° | 17.5 | 17.5 | | | | 17.1 | 16,9 | 16.6 | 17.1 | 17.5 | 17.3 | 17.5 | 17.64 | 16.8 | 16.8 | 17.0 | 17,3 | 16,3 | 17.1 | 17,3 | 16,5 | 15,9 | 15.4 | 1503 | 10,3 | | 15.8 | 1001 | 15.4 | 15,1 | 16.0 | 16.7 |
| | AVERAGE | 4° | 63.5 | 63.5 | | 63.4 | 63.0 | 62.8 | 62.5 | 61.8 | ~ | 63.5 | 63.1 | 63,5 | 63.4 | 62.2 | 62.2 | 62.6 | 63.1 | 4019 | 62.8 | 63.2 | 61.7 | 60.7 | 59.8 | 29.6 | 61.4 | 6009 | 60.09 | 6.09 | 59.8 | 59.5 | 50.09 | 42.1 |
| - | | DATE | 1972 | 1971 | 1971 | 1971 | 1971 | 1971 | 1970 | 1971 | 1969 | 1969 | 1946 | 1961 | 1961 | *6961 | 1963 | 1977 | 5461 | 1961 | 1973 | 1969 | 1969 | 1969 | 1968 | 1968 | 1968 | 1968 | 1961 | 1971* | 1967 | 19761 | 1961 | 1969 |
| | E | ى 0 ° | 33.3 | | 31.7 | 33.3 | 32.8 | 32.8 | 33.9 | 32.8 | 31.7 | 31.7 | 30.0 | 30.0 | 30.0 | 29.4 | 29.4 | 31.7 | 35.6 | 32.8 | 33.3 | 30.6 | 34.4 | 37.2 | 37.2 | 32.8 | 31.07 | 31.7 | 31.7 | 31.7 | 33.9 | 35.6 | 35.0 | 27.2 |
| MAXIMUM TEMP | EXTREME | 9° | 92 | 88 | 89 | 92 | 16 | 16 | 63 | 16 | 89 | 68 | 87 | 98 | 98 | 85 | 68 | 68 | 96 | 16 | 95 | 87 | 76 | 66 | 66 | 16 | 68 | 68 | 68 | 68 | 63 | 96 | 65 | 66 |
| MA | 3 | o°. | 28.3 | 27.1 | 26.6 | 27.2 | | 27,7 | | | 27.5 | | | 27,0 | | 26.7 | | 26.7 | | 26.8 | | 27.2 | 27.6 | 27.9 | 29.3 | 27.4 | 27.3 | 27.1 | | 27.6 | 27.9 | 27.8 | 27.5 | 27.3 |
| | AVERAGE | 9,6 | 65.0 | 80.8 | 79.8 | 91.0 | 80.2 | 91.0 | 82.8 | 62.3 | 81.5 | 81.5 | 91.6 | 9008 | 80.7 | 80.1 | 78.8 | 80.0 | 80.9 | 80.2 | 80.5 | 80.08 | 81.6 | | 10407 | 61.4 | 61.02 | 1000 | 80.2 | 91.7 | 62.3 | 82.0 | 91.5 | 81.2 |
| - | - | 000 | 22.9 | 22.3 | 22.3 | 22.3 | 22.0 | 22.4 | 22.6 | 22.2 | 22.3 | 22.5 | 22.4 | 22,3 | 22.2 | 21.7 | 21.4 | 21.8 | 22.2 | 21.6 | 22.0 | 22.2 | 22.1 | 21.9 | 22.3 | 4.12 | 21.8 | 21.4 | 21.3 | 21.8 | 21.7 | 21.4 | 21.8 | 22.0 |
| MEAN TEMP | AVERAGE | | 73.2 | 72.2 | 72.2 | 72.2 | 71.6 | 72.4 | 72.7 | 72.0 | 72.2 | 72.5 | 72.3 | 72.1 | 72.0 | 71.1 | 70.5 | 71.3 | 72.0 | 70.8 | 71.6 | 72.0 | 71.7 | 71.5 | 72.2 | 70.5 | 71.3 | 70.6 | 70.3 | 71.3 | 71.1 | 70.6 | 71.2 | 71.6 |
| _ | | DAY OF | -1 | 2 | 3 | 4 | 5 | 9 | 7 | 8 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Monthly |

0

0

0

ALSO ON EARLIER YEARS

1000

DIRNAVOCEANMET-SMOS

0

0

93114 STATION

| | ALLE AND THE CALL OF THE PARTY |
|--|---|
|--|---|

*NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

INN NIMI

| | 6 |
|------|---|
| 0 | 1 |
| 999 | |
| 2 | |
| • | |
| | |
| - | |
| - | - |
| 0 | 0 |
| - | 0 |
| | U |
| 152= | , |
| - | |
| = | |
| | |
| | |
| - | |
| | |
| 9 | |
| 7 | |
| | |
| 3 | |
| 0 | |
| - | |
| | |
| | |
| | |
| | |

SEPTEMBER

| | MEAN TEMP | - WE | | MA | MAXIMUM TEMP | MP | | | M | MINIMUM TEMP | NP. | |
|---------|-----------|-------|---------|------|--------------|------|-------|---------|-------|--------------|------|--------|
| L_ | AVERAGE | S. | AVERAGE | GE | EXTREME | ME | | AVERAGE | E | EXTREME | ME | |
| DAY | u. | 00 | u. | 0, | u. | 0. | DATE | u. | 0 0 | 4 0 | ွ | DATE |
| 1 | 71.4 | 21.9 | 61.2 | 27.3 | 96 | 34.4 | 1961 | 9.19 | 10.4 | 58 | 14.4 | 1975 |
| 2 | 72.0 | 22.2 | - | 27.5 | 89 | 31.7 | 1945 | 62.4 | 16,99 | 56 | | 1975 |
| 3 | 71.5 | 21.9 | 0 | 26.9 | 16 | 32.8 | 1945 | 62.7 | | 96 | 13,3 | 1975 |
| 4 | 72.7 | 22.6 | N | 27.9 | 92 | 33.3 | 1972* | 63.1 | 17.3 | 57 | 13,9 | 1977 |
| 2 | 72.1 | 22,3 | - | 27.7 | 68 | 31.7 | 1974 | 62.3 | | 58 | 14.4 | 1973 |
| 9 | 72.7 | 22.6 | 63.7 | 28.7 | 65 | 35.0 | 1977 | 61.7 | 16.5 | 53 | | 1968 |
| 7 | 73.2 | 22.9 | - | 28.6 | 96 | 35.6 | 1977 | 65.9 | | 55 | | 1973 |
| 00 | 72.7 | 22.6 | N | 28.2 | 96 | 34.4 | 1963 | 62.6 | | 57 | | 1968 |
| 6 | 71.9 | 22.2 | 62.5 | 28.1 | 63 | 33.9 | 1968 | 61.2 | 16.2 | 55 | 12.8 | 1977 |
| 10 | 71.8 | 22,1 | 0 | 27.1 | 06 | 32.2 | 1963* | 62.8 | 17.1 | 96 | | 1963 |
| 11 | 70.6 | 21.4 | - | 27.4 | 86 | 36.7 | 1963 | 89.8 | 15.4 | 24 | | 1968 |
| 12 | 71.1 | 21.7 | 81.1 | 27.3 | 102 | 38.9 | 1971 | 61.1 | 16.2 | 24 | 12.2 | 1972 |
| 13 | 10.4 | 21.3 | | 26.3 | 101 | 38.3 | 1971 | 6104 | 16.3 | 25 | | 1977 |
| 14 | 68.8 | 4002 | 76.5 | 24.7 | 86 | 30.0 | 1971 | 61.2 | 16.2 | 25 | 1101 | 1972 |
| 15 | 68.5 | 20.3 | | 24.8 | 83 | 28.3 | 1975 | 4.09 | 15,8 | 53 | 11.7 | 1974 |
| 16 | 68.8 | \$002 | 77.5 | 1 | 92 | 33.3 | 1975 | 60.2 | 15.7 | 53 | 11.7 | 1970 |
| 17 | 68.7 | 20.4 | 77.4 | - | 16 | 32,8 | 1975 | 88.8 | 15.5 | 53 | 11.7 | 1968 |
| 18 | 68.3 | 20.5 | 77.3 | 5 | 500 | 29.4 | 1975 | 59.4 | 15.2 | 53 | 11.7 | 1977 |
| 19 | 68,2 | 20.1 | 76.2 | * | 82 | 27.8 | 1975* | 60.3 | 15.7 | 54 | 12.2 | 1973 |
| 30 | 67.7 | 19.8 | 76.8 | 54.9 | 98 | 28.9 | 1972 | 58.7 | 14.8 | 25 | 1101 | 1972 |
| 21 | 68.5 | 20.3 | 78.2 | 25.7 | 90 | 30.0 | 1972 | 58.7 | | 53 | | 1977 |
| 22 | 9.69 | 50.0 | • | 27.3 | 26 | 33,3 | 1974 | 58.0 | 14.4 | 64 | 4.6 | 1968 |
| 23 | 8.69 | 21.0 | • | 27.6 | 101 | 38.3 | 1975 | 57.9 | ; | 4.3 | | 1945 |
| 24 | 69.3 | 20.7 | - | 27.0 | 001 | 37.8 | 1975 | 58.0 | 14.41 | 94 | | 1945 |
| 25 | 6.69 | 21.1 | - | 28.2 | 86 | 36.7 | 1970+ | 57.1 | 1309 | 4.4 | 8.3 | 1945 |
| 26 | 71.6 | 22.0 | - | 29.0 | 112 | 44.4 | 1963 | 29.0 | 15.0 | 45 | | 1945 |
| 27 | 72.0 | 25.2 | - | 28.2 | 106 | : | 1963 | 2.19 | 10.2 | 24 | | 1945 |
| 28 | 20.0 | 21.1 | 61.0 | 27.7 | 101 | 38.3 | 96 | 58.2 | 14.6 | 48 | 8.9 | 1945 |
| 62 | 69.7 | 50.0 | - | 27.0 | 96 | 5 | 1963 | 58.9 | 14.9 | ** | 6.7 | 1945 |
| 30 | 6.89 | 20.9 | - | | 68 | 31.7 | 1970 | 59.5 | 1501 | 4.00 | | 1945 |
| 31 | | | | | | | | | | | | |
| Monthly | 70.5 | 21.4 | 40.6 | 94.9 | 113 | 4.44 | 1963 | 100 | 20.00 | 77 | 4.3 | 3 70 · |

0

*ALSO ON EARLIER YEARS

TO LOT

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1947 1952-1953 9999-9999

MONTH

OCTOBER

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

MEAN TEMP AVERAGE

DAY

EXTREME MINIMUM TEMP

945 1945 1945

16 96

13.6

56.5

32.2 35.0

06

25.4 25.4

77.7

19.5

25.4

1971

48

8.9

946

58.3

57.1 55.2

1971

32.2 35.6

96

37.2

37.2

5000

25.9

78.6 18.9 78.3 78.2

19.7

25.7 25.7

56.5

45

8.3

12:4

54.4 53.3

35.6 33.9 33.9

25.4 25.4 25.8 24.3

66

946

7.2 8.9

8.3

6.5

1971

1973

29.4

2000

24.9

16.9

18.8

65.0

12 13 14 12

=

16.2

78.5

77.7

18.6

66.0

10

66.7

0

6:59

19.3

19.8

20.3

68.6

26.7

973 10.0

9

1.8

5.6

6.1

2.0

1109 12.1

973

65 3 4.5 43 42

5300

1967 1967 1967 1973

33.3 33.3

76 92

23.4

74.2

18.4

65.1

63.8 63.2

19

8

21

2

35.0

56

25.1

36.1

26

67

25.8

78.4

18.8

65.8

16 11

0

12:00 1

966 966 946

4

975 97.0

1.8

=

7.2 9.0

45

9.3 10,1

11.8

53.2

1971

27.5

50 92

23.2

8

22.9

73.2 73.8 77.2 72.8

17.5

63.5

22

17.9

63.0 61.5 63.8 65.5

24 25

23

54.4

25.6

22.2

72.7

7.3

943 973

4.4

946

3.3

38

0000

967

32.2 32.8

1961 1971

06

75.0

18.3

59.4

Monthly

30 31

8

6

22.8

16.3 13.2

16.1

61.0

50.2 53.4 51.0 68.0

35.0

500

23.4

74.2

16.4 16.91

> 27 28

36

13.9 13.9 73.0 73.1

23.3

83

1945

30.6 28.3

3

25.1 22.7

33.3

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

STATION

SANTA ANAL CALIFORNIA

STATION NAME

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA 93114

*NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

SANTA ANA, CALIFORNIA STATION NAME

93114 STATION

O

0

0

1945-1947 1951-1953 9999-9999

MOVEMBER

| | | DATE | 1973* | 1971* | 1991 | 1946 | 1973 | 1973 | 1973 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1971 | 1977* | 1945 | 1945 | 1945 | 1945 | 1975 | 1945 | 1945 | 1945 | 1968 | 1991 | 1945 | 1945 | 1975 | 1975 | |
|--------------|---------|------------|-------|-------|------|------|------|------|------|-------|-------|------|------|------|------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|------|-------|-------|------|----|
| | E | ၁့ | 5.0 | 9.0 | 4.4 | 3.9 | 0.6 | 2.8 | 3.9 | 2,2 | 9.0 | 1.1 | 9.0 | 1.1 | 4.4 | 3.9 | 2.8 | *** | 1.7 | 2.8 | 1.7 | 1.7 | 2 . 8 | 3.3 | 101 | 0.0 | 3.3 | 2.2 | 2.8 | 1.7 | 3.3 | 1.7 | |
| MINIMUM TEMP | EXTREME | 9° | 41 | 41 | 04 | 39 | 4.1 | 37 | 39 | 36 | 33 | 34 | 41 | 34 | 0. | 39 | 37 | 04 | 35 | 37 | 35 | 35 | 37 | 38 | 34 | 32 | 38 | 36 | 37 | 35 | 38 | 35 | |
| MIM | | ٥, | 7.8 | 8,5 | 8.6 | 9.6 | 9.6 | 8,7 | 8.7 | 9,2 | 7,2 | 7,5 | 8.5 | 4.6 | 1001 | 6.9 | 8.7 | 8.8 | 9.1 | 8.1 | 8.5 | 8.0 | 8 . 4 | 7.6 | 6.9 | 6,3 | 7,02 | 7,1 | 7.2 | 1.4 | 7.5 | 7,3 | |
| | AVERAGE | ۳, | 46.1 | 47.3 | 49.6 | 49.2 | 49.2 | 47.0 | 47.0 | 48.6 | 45.0 | 45.5 | 47.3 | 48.9 | 50.1 | 48.7 | 47.7 | 47.8 | 48.3 | 46.5 | 47.3 | 4004 | 47.1 | 45.7 | 44.5 | 43.4 | 6.44 | 44.6 | 44.9 | 45.4 | 45.5 | 45.1 | |
| | | DATE | 1976 | 1976 | 1945 | 1976 | 1976 | 1661 | 1976 | 1976 | 1977* | 1977 | 1974 | 1974 | 1975 | 1970 | 1977* | 1976 | 1976 | 1976 | 1969 | 1968 | 1968 | 1945 | 1975 | 1977 | 1977 | 1977 | 1969 | 1977* | 1977* | 1963 | |
| 1 | 16 | o°. | 30.6 | 35.0 | 33.3 | 35.0 | 32.8 | 29.4 | 30.0 | 30.06 | 26.7 | 30.0 | 30.0 | 31.7 | 30.0 | 27.8 | 27.8 | 31.7 | 30.0 | 27.2 | 26.1 | 28.3 | 25.6 | 25.0 | 27.8 | 31.1 | 32.2 | 29.4 | 28.3 | 25.7 | 30.0 | 29.4 | |
| MAXIMUM TEMP | EXTREME | 4 0 | 87 | 95 | 92 | 68 | 16 | 88 | 98 | 87 | 90 | 98 | 98 | 68 | 98 | 82 | 62 | 68 | 87 | 81 | 42 | 83 | 78 | 77 | 82 | 88 | 06 | 85 | 83 | 80 | 98 | 85 | |
| MA | 8 | ၁့ | 23.7 | 24.3 | 24.1 | | 21.9 | 22.8 | | 22.0 | 22.9 | | 22.8 | | 21.4 | 21,12 | 21.0 | | | 19.8 | | 21.0 | 20.4 | 20.4 | 21.7 | | 22.5 | 2 | - | 21.5 | | 19.6 | |
| | AVERAGE | 9° | 74.7 | 75.7 | 75.4 | 74.0 | 71.4 | 73.1 | 71.1 | 71.6 | 3 | 72.8 | 73.0 | | - | 70.0 | 69.8 | | 70.5 | | 69.9 | 8.69 | | | 71.0 | 71.02 | | | 70.3 | 70.7 | 70.07 | 67.3 | |
| | | ٥, د | 15.8 | 16.4 | 16.9 | 16.4 | 15.7 | 15.7 | 15.2 | 15.6 | 15.1 | 15.1 | 15.7 | 15.6 | 15.8 | 15,2 | 14.9 | 15.1 | 15.2 | 13.9 | 14.5 | 14.5 | 14.4 | 14.0 | 14.3 | 14.1 | 14.8 | 14.8 | 14.2 | 14.5 | 14.5 | 13.4 | |
| MEAN TEMP | AVERAGE | 30 | 4.09 | 61.5 | 62,5 | 61.6 | 60.3 | 60.3 | 59.3 | 1000 | 1.65 | 59.5 | 60.2 | 0.09 | 4.09 | 59,3 | 58.8 | 59.1 | 29.4 | 57.1 | 58.1 | 58.1 | 57.9 | 57.2 | 57.7 | 57.3 | 58.7 | 58.7 | 57.6 | 58.1 | 58.1 | 56,2 | |
| | L | DAY | 1 | 2 | 3 | 4 | S | 9 | 7 | 80 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

=

*ALSO ON EARLIER YEARS

OEO 0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

SANTA ANA, CALIFORNIA

STATION NAME

1945-1947 1951-1953 9999-9999

DAILY AVERAGE/EXTREME TEMPERATURES

YEARS

MONTH DECEMBER

| L | | | | | | | | | | | | |
|---------|------------|------|---------|------|----------------|------|-------|------------|-----|---------|------|-------|
| - | AVERAGE | GE | AVERAGE | GE | EXTREME | ME | | AVERAGE | E | EXTREME | ME | |
| DAY | L 0 | o°. | , F | ၁့ | H _o | ၁့ | DATE | ا د | ၁့ | J₀ P | ွပ | DATE |
| 1 | 55.7 | 13.2 | 68.5 | 20.3 | 83 | 28.3 | 1977# | 43.0 | 6.1 | 35 | 1.7 | 1975 |
| 2 | 55.8 | 13.2 | 0.69 | 20.6 | 82 | 27.8 | 1969 | 42.5 | 5.8 | 32 | 0.0 | 1945 |
| 3 | 56.3 | 13.5 | 67.8 | 19.9 | 77 | 25.0 | 1977* | 44.8 | 7.1 | 33 | 9.0 | 1967* |
| 4 | 55.2 | 12.9 | 66.2 | 19.0 | 8 | 27.2 | 1968 | 44.2 | 8.9 | 35 | | 1973# |
| 2 | 55.7 | 13.2 | | 19,1 | 76 | 24.4 | 1976 | 45.0 | 7.2 | 36 | 2,2 | 1967 |
| 9 | 54.4 | 12.4 | 67.0 | 19.4 | 76 | 4 | 1977 | 41.7 | 5.4 | 31 | | 1968 |
| 7 | 54.4 | 12.4 | 8.90 | | 83 | 28.3 | 1973 | 41.9 | 5.5 | 34 | 1.1 | 1968 |
| 8 | 54.9 | 12.7 | 65.6 | 18.7 | 80 | 9 | 1973 | 44.1 | 6.7 | 35 | 1.7 | 1945 |
| 6 | 55.1 | 12.8 | 67.5 | 19.7 | 98 | 30.0 | 1973 | 42.7 | 5.9 | 34 | 101 | 1972 |
| 10 | 54.4 | 12.4 | 66.7 | | 85 | 29.4 | 1973 | 42.0 | 2.6 | 16 | 9.0- | 1945 |
| 11 | 54.1 | 12.3 | 4.69 | 18.6 | 29 | 26.1 | 1976 | 42.8 | 0.9 | 35 | 1.7 | 1972 |
| 12 | 53.0 | 11.7 | 04.4 | - | 77 | 25.0 | 1976 | 41.6 | 5,3 | 34 | 1.1 | 1971 |
| 13 | \$2.4 | 11.3 | 63.6 | _ | 74 | 23.3 | 1977 | 41.1 | 5,1 | 34 | 101 | 1945 |
| 14 | 51.5 | 10.8 | 63.6 | 17.6 | 76 | 24.4 | 1976 | 39.5 | 4.2 | 30 | -101 | 1945 |
| 15 | 53.2 | 11.8 | 9.69 | 18.7 | 64 | 1.92 | 1976 | 40.0 | 4.9 | 33 | 9.0 | 1981 |
| 16 | 54.3 | 12.4 | 66.7 | 19.3 | 83 | 27.2 | 1976 | 41.8 | 304 | 33 | 9.0 | 1975# |
| 17 | 54.7 | 12.6 | 65.5 | 18.6 | 74 | 23.3 | 1976 | 43.9 | 9.9 | 38 | 1.7 | 1945 |
| 18 | 53.4 | 11.9 | 0401 | | 73 | 22.8 | 1974* | 45.0 | 5.9 | 33 | 9.0 | 1975 |
| 19 | 53.5 | 11.9 | 0.40 | 17.8 | 78 | 25.6 | 1973 | 42.9 | 1.9 | 37 | 2.8 | 1945 |
| 20 | 52.8 | 11.6 | 64.8 | | 82 | 27.8 | 1972 | 8004 | 4.9 | 32 | 0.0 | 1968* |
| 21 | 52.7 | 11.5 | 63.69 | 17.7 | 77 | 10 | 1972 | 41.5 | 5,3 | 82 | -2.2 | 1968 |
| 22 | 55.0 | 12.8 | 64.6 | 18,1 | 7.1 | 21.7 | 1976 | 44.5 | 6.9 | 35 | -0.6 | 1968 |
| 23 | 55.0 | 12.8 | 65.3 | 18.5 | 77 | 25.0 | 1961 | 44.7 | 7.1 | 36 | 1.1 | 1966 |
| 24 | 55.2 | 12.9 | 8 . 40 | 18.2 | 72 | 22.2 | 1961 | 45.7 | 7,6 | 35 | 1.7 | 1968 |
| 25 | 56.2 | 13.4 | 65.5 | | 16 | 24.4 | 1972 | 46.9 | 8.3 | 38 | 3.3 | 1976* |
| 26 | 54.2 | 12.3 | 8.40 | 18.2 | 75 | 23.9 | 1976# | 43.6 | 9.9 | 35 | 1.7 | 1661 |
| 7.7 | 52.9 | 11.6 | 62.7 | 17.1 | 74 | | 1972 | 43.1 | 6,2 | 35 | 1.1 | 1961 |
| 28 | 53.9 | 12.2 | 6.10 | 16.6 | 8 | 27.2 | 1975 | 45.9 | 7.7 | 39 | 3.9 | 19764 |
| 59 | 53.0 | 11.7 | 62.1 | 16.7 | 75 | 23.9 | 1975 | 43.9 | 9.9 | 34 | 1.1 | 1971 |
| 30 | 53,3 | 11,8 | 64.6 | 18.1 | 76 | 24.4 | 1945 | 4200 | 5.6 | 35 | 1.7 | 1972 |
| 31 | 53.7 | 12.1 | 64.5 | 18.1 | 82 | 27.8 | 1968 | 42.8 | 0.9 | 34 | 101 | 1961 |
| Monthly | 54.2 | 12.3 | 65.3 | 18.5 | 86 | 30.0 | 1973 | 43.0 | 6.1 | 28 | -2.2 | 1968 |

0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

93114 STATION

MAXIMUM TEMPERATURE

67-77 FROM DAILY OBSERVATIONS

| 67-7 | IRS | |
|------------------------|--------------|--------------------------|
| 45-47, 51-53, 63, 67-7 | 34 | MHOLE DEGREES FAHRENHEIT |
| 45-4 | | LE DEGREES |
| SANTA ANAS CALIFORNIA | STATION NAME | CHR |

| MONTHS | | 92 | | | | | | | | | 101 | 102 | 6 | 66 | - | 101 | 102 | 96 | | 98.6 | 3.358 | 4874 |
|--------|-----|-----|----|----|----|------|----|----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|--|------|-------|------------|
| DEC. | 0 | 69 | | 1 | | 1 | | 11 | 20 | | 13 | 10 | 28 | 98 | 7.8 | 8 | 63 | 63 | | 78.3 | 3.460 | 372 |
| NOV | 26 | 0 | | | | | 8 | 0 | 00 | | 29 | | 0 | m) | 60 | 2 | 63 | 90 | | 03.0 | 0000 | 360 |
| OCT. | 96 | 26 | | | | 88 | | 27 | 26 | | 62 | 6 | *6 | 6 | 4 | 80 | 96 | 89 | | 8176 | | 1 |
| SEP. | 24 | 16 | | | | 111 | | 36 | 96 | | 101 | 102 | 26 | 66 | 26 | 101 | 06 | 96 | | 9006 | 6 | 390 |
| AUG. | 96 | 81 | | | | 11. | • | 90 | 66 | 66 | 63 | 26 | 96 | 92 | 28 | 98 | 96 | 68 | | 1.34 | 997.5 | 434 |
| JUL. | 9.8 | 989 | 36 | | | 2 8 | | 9 | 96 | 88 | 46 | 68 | 16 | 20 | 06 | 16 | 88 | 66 | | 2.06 | 4.475 | 465 |
| JUN. | 61 | 82 | 61 | | | 6.13 | 20 | 2 | 99 | 78 | 35 | 43 | 63 | 63 | 83 | 87 | 102 | 18 | | 85.5 | 0 | 450 |
| MAY | 61 | 68 | 06 | | 70 | * | | 80 | 88 | 080 | 26 | 48 | 06 | 96 | 0.6 | 75 | 84 | 11 | | 1.6 | 486.0 | |
| APR. | 19 | 9.2 | 63 | | | | 9 | 2 | | ** | 69 | 89 | 18 | 82 | 82 | 73 | 18 | 82 | | 81.9 | 3.751 | |
| MAR. | 62 | 90 | 99 | | | | | 6. | 92 | ** | 63 | 09 | 7.5 | 69 | 13 | 75 | 69 | 11 | | 80.1 | 5.636 | 434 |
| E | | 75 | 80 | | | | | | 83 | * | 63 | 83 | 73 | 73 | 18 | 16 | 82 | 8 | | 19.6 | 4.166 | 339 |
| JAN. | | 19 | 14 | | | | | | 18 | 87 | 73 | 83 | Ce | 11 | 78 | 63 | 89 | 9 2 | | 80.8 | 4.920 | 372 |
| MONTH | 6.0 | 9. | .; | 51 | 55 | 53 | 60 | 67 | 89 | 69 | 0 | 7 | 21 | 73 | 7.0 | 75 | 75 | 11 | | MEAN | S. D. | TOTAL OBS. |

0

-

93114 STATION

O

0

0

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

SANTA ANAL CALIFORNIA

93114 STATION

45-47, 51-53, 63,

67-77

/BASED ON LESS THAN FULL MONTHS/

| YEAR | 15 | 25 | 63 | 63 | 69 | | | | | | MEAN | S. D. |
|------|------|----------|------|-----|------------------|--|--|--|--|--|------|-------|
| JAN. | | 76 | | | | | | | | | | |
| | | 80 | | | | | | | | | | |
| MAR. | | | | | | | | | | | | |
| APR. | | | | 29 | | | | | | | | |
| MAY | | | | | | | | | | | | |
| JUN. | | | | | | | | | | | | |
| JUL. | | 68 | | | | | | | | | | |
| AUG. | | | | | | | | | | | | |
| SEP. | | | | | 17 | | | | | | | |
| OCT. | | | | | | | | | | | | |
| NOV. | 23 | | 27 | | 14: | | | | | | | |
| DEC. | 21 | | | | 30 | | | | | | | |
| Z Z | DAYS | MAX TEMP | DAYS | - 5 | MAX TEMP DAYS | | | | | | | |

NAVWEASERVCOM

3

20

T88212

0

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

SANTA ANA, CALIFORNIA STATION NAME 93114 STATION

O

0

0

45-470 51-53, 630

67-77

WHOLE DEGREES FARRENHETT

| MONTHS | | 50 | | | | | | | | 34 | 30 | 62 | 30 | | 35 | 31 | 36 | | 31.0 | 3.068 | *189 |
|--------|-----|----|----|----|------|----|----|-----|----|----|-----|----|----|-----|-----|-----|------|--|-------|--------|------------|
| DEC. | 30 | 36 | | 1 | | | 33 | 82 | | 33 | 34 | 34 | 33 | 37 | 33 | 35 | £ \$ | | 36.4 | 3.77 | 372 |
| NOV | 35 | | | | | | 36 | 35 | | 30 | 37 | 33 | 37 | 37 | 35 | 33 | 40 | | 5.56 | 561.3 | 360 |
| TO0 | | 38 | | | | 2 | * | 69 | | 63 | 30 | 43 | 36 | 20 | 4.5 | ** | 84 | | 8.24 | 3.703 | 403 |
| SEP. | ** | 31 | | | | 33 | 24 | | | 33 | 64 | 25 | 20 | | 26 | 38 | 52 | | 25.75 | 3.790 | 330 |
| AUG. | 4.0 | 20 | | | | 96 | 27 | 23 | 28 | 39 | | 25 | 20 | 34 | 24 | 26 | 28 | | 4.96 | 3.463 | 484 |
| JUI. | 55 | 23 | 20 | | | 31 | 29 | 25 | 25 | 23 | 57 | 96 | 26 | 36 | 36 | 9 | 53 | | 1765 | 591.02 | 465 |
| JUN | 00 | 4 | 96 | | | 31 | 45 | 25 | 24 | 16 | 4.7 | 24 | 0 | 53 | 25 | 53 | 34 | | 100 | 3.217 | 950 |
| MAY | 24 | 45 | 94 | | 67 | | 30 | 4.5 | 51 | ** | 43 | 64 | 43 | 48 | ** | 31 | 4.7 | | 6.0 | 3.913 | 465 |
| APR. | 34 | * | * | | | | 34 | | 45 | | 42 | 14 | 35 | 6.3 | 39 | 42 | 45 | | 2.00 | 3.743 | 390 |
| MAR. | 90 | 36 | 36 | | | | 31 | 38 | 04 | 74 | 36 | 04 | 35 | 3.8 | 33 | 36 | 38 | | 13.6 | 3.222 | |
| FEB. | | 62 | 38 | | | | | - 4 | 39 | 04 | 33 | 36 | 38 | 34 | 34 | 36 | 38 | | 26.5 | 197.6 | 339 |
| JAN. | | 53 | 31 | | | | | 30 | 34 | 36 | 34 | 62 | 30 | 35 | 35 | 31 | 38 | | 0.26 | 829.7 | 372 |
| YEAR | 6.5 | 94 | | 22 | 23.5 | 63 | 67 | 99 | 60 | 10 | 7.1 | 21 | 73 | 7.4 | 75 | 7.6 | 11 | | 1 | 5.0. | TOTAL OBS. |

0

0

MINIMUM TEMPERATURE

67-77 (FROM DAILY OSSERVATIONS)

SANTA ANAS CALIFORNIA

93114 STATION

0

45-47, 51-53, 63,

MADLE DEGREES FAHRENHEIT

| YA THE | 70N. JUL. AUG. | 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 45 49 27 29 29 29 29 29 29 29 29 | 101. AUG. SEP. | FEB. MAR. APR. MAY | 23 | ** | > | | | | | | | |
|--|----------------|--|---|---|--------------------|----|----|---|--|--|--|--|--|--|--|
| | | 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2 | 27 49 27 28 28 28 28 29 21 29 29 29 29 29 29 29 29 29 29 29 29 29 | AUG. SEP. OCT. NOV. D 23 24 27 27 27 28 28 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20 | | | | | | | | | | | |

0

0

NAVWEASERVCOM

0

PAGE 1

JAN



| 90/89 | | | | | | | WE | BULB | TEMPE | RATURE | DEPRE | WET BULB TEMPERATURE DEPRESSION (F) | (F) | | | | | | - 1 | TOTAL | 1 | - 1 | TOTAL | |
|-----------|----|-------|-----|-----|-------|--------|-----|-------|-------|--|-------|-------------------------------------|-------|---------|-----------|---------|-----------------|------------|----------|------------------|----------|----------|-------------------|---------|
| 20 | 0 | 1 . 2 | 3.4 | 5.6 | 7 . 8 | 9 . 10 | = | 12 13 | . 14 | . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 | 17.1 | 8 19 . | 20 21 | . 22 23 | 3 - 24 25 | 25 - 26 | . 26 27 . 28 29 | 8 29 . 30 | 0 = 31 | - 1 | '.B. Dry | Dry Bulb | Wet Bulb Dew Poin | Dew Poi |
| 1 | | | | | | | _ | - | | | | | | | | | • | 1 | | | 1 | - | | |
| | | | | | | | | | | | | | | - | | | - | | - | - | - | - | | |
| | | | | | | | _ | | | | • | 1 | | | | 2. | | | | | • | • | | |
| - | | | | | | | | | | | • | - | | | | | | | - | - | - | - | | |
| 82/ 81 | | | | | | | | | - | | | | | 7. | .2 | .2 | | | | _ | 9 | • | | |
| | | | | | | | | | | - | • | 2 | - | 2 | - | | • | | | - | 6 | 6 | | |
| | | | | | | | | | | | 4. | 3 | 2 | 7. | | | | | | | 0 | • | | |
| | | | | 1 | | | | 2 | | | | 0 | | .2 | . 1 | | | | | | 5 | 15 | | |
| 1 | | | | | • | 1 | - | - | 2. | .3 | | 2 | .3 | .2 | | | | | | | 11 | 17 | | |
| | | | | | | | - | - | .2 | | . 2 | 12 | - | 2 | | | | | | | 13 | 13 | | |
| 1 | | | | | • | | 2 | | .2 | : | | 2 | | | | | | | | _ | 56 | 26 | 2 | |
| | | | | .1 | | | 100 | 9 | - | | | | 2 | | | | | | | | 6 | 58 | 7 | |
| 1 | | | 1. | | 1 | | 9 | 2 | 9. | 3 | | | | | | | | | | | 33 | 33 | 2 | - |
| | | | .2 | | | - | 0 | 6 | 7 | 9. | • | 2 | | | | | | | | | 53 | 53 | 2 | |
| - | | - | .2 | | | - | 5. | 9 | | .2 | | _ | | - | | | | | _ | _ | 96 | 96 | 12 | |
| | | 0 | .5 | - | - | - | 0 | 2 | 9. | .2 | | 2 | | | | | | | | | 10 | 10 | 26 | |
| - | | | 1.6 | - | - | | 0 | 9 | 3. | | | .1 | | | | | | | | | 16 | 26 | 57 | 1 |
| _ | • | | 1.3 | - | - | | 0 | 9 | | .2 | | | | | | | | | | - | 4 | 14 | 96 | 28 |
| - | | 2.5 | | | 1.1 | | 2 | | 4. | | | | | | | | | | | | 96 | 96 | 109 | 46 |
| _ | .2 | | | | | • | 3 | 3. | 2. | | | | | | | | | | - | - | | 112 | 131 | - |
| - | | | | - | | | 2 | | | | | | | | | | | | | | | 88 | 135 | - |
| _ | .5 | | | | | 2 | | | | | | | | | | | | | - | | | 72 | 135 | 77 |
| - | • | | 2.8 | | | 2 | 7 | | | | | | | | | | | | | - | | 103 | 129 | 13 |
| | | | | | | | | | | | | | | 1 | | | | | - | | | 62 | 122 | 9 |
| - | .2 | | | | | | - | | | | | | | | | | | | | | | 55 | 06 | 9 |
| | .2 | | 1.5 | | • | 2 | | | | | | | | | | | | | - | | 8 | 8 | 67 | 124 |
| | .2 | | 4. | | | | - | | | | | | | | | | | | | | 54 | 54 | 25 | • |
| _ | | • | 0 | .2 | | | | | | | | | | | | | | 4 | - | | 5 | 13 | 32 | 8 |
| _ | .1 | .2 | .2 | | | | | | | | | | | | | | | | | | • | • | 17 | * |
| _ | | | .2 | | | | - | | | | | - | | 1 | | | | | - | | 9 | 9 | 14 | • |
| - | | | | | | | | | | | | | | | | | | | | | | | • | • |
| | | | | | | | | | | | | | | | | | | | - | | - | | - | ~ |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 1 5 | | 242 | - | | ZX | 1 | | 1 | ax D | - | Ž | o se | - | 1 | 1 | | Med | Mean No. o | of Hours | with Temperature | perature | | | 1 |
| Rel. Hum. | | | | | | 1 | | 1 | | - | | | - | 10 E | 1 | 32 F | 267 | 1 | 273 F | 280 | 10 | 2 93 F | | Total |
| Dry Bulb | | | | | | | | | | - | | | - | | | | | | | | | | | |
| Wet Builb | | | | | | | | | | - | | | - | | | | | | | | | | | |
| Dew Point | | | | | | | | - | | - | | | - | | | | | | | | | | | |

NAVWEASERVCOM

0

0

0

0 0

SANTA ANAS CALIFORNIA

PSYCHROMETRIC SUMMARY

YEARS

SANTA ANAL CALIFORNIA

| | D.B./W.B. Dry Bulb Wet Bulb Dew Point | 13 | 9 | *- | 1240 | | Total | 764.0 | 744.0 | 344 |
|-------------------------------------|--|-----|----|----|-----------------|------------------------------------|-----------|----------|----------|--------------|
| TOTAL | Wet Bulb | | | | | | F | | | _ |
| | Ory Bulb | | | | 1240 | | 2 93 F | | | |
| TOTAL | .B./W.B. | | | | | Mean No. of Hours with Temperature | ≥80 F | 8.4 | | |
| 1 | 231 0 | | | | | ous with | =73 F | 37.2 | | |
| 1 | 29 . 30 | | | | | , o o | AI | | | |
| - | 27 . 28 | | | | .2 | Mean | ≥ 67 F | 78.0 | 1 | |
| | 25 - 26 | | | | .3 | | ≥ 32 F | 3.6 | 12.0 | A 00. |
| | 23 - 24 | | | | .3 | | 1 | | | • |
| | 21 - 22 | | | | 6. | | 10 E | | | |
| WET BULB TEMPERATURE DEPRESSION (F) | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | | | | 1-1 | , j | 1240 | 1240 | 1240 | 4.40 |
| E DEPRE | 6 17 - 18 | | | | 4.0 2.6 | No. ob. | - | | 1 | |
| PERATUR | 4 15 - 1 | | | | | * 5 | .729 | 9,881 | 6.738 | 4.0 |
| ULB TEM | 2 13 - 1 | | | | 4.4 | | 2 | 6 | | - |
| WET | 11 0 | | | | 0 4.9 | | 67.5 | 53.7 | 47.6 | |
| | 8 9.1 | | | | 0.8.0 | | 80 | 104 | 190 | 76 |
| - 1 | 6 7. | | | | 0.6 9 | - A | 83708 | 40999 | 590 | F. 9 |
| | 4 5. | | | | 211 | | 12 | 94 | 23 | 77 |
| 1 | 2 3. | | | | .222 | | 2358 | 3698464 | 8693 | 2000 |
| | -1 | | | | 3.327.222.211.6 | 27,2 | 4 | 3 | 2 | |
| | 0 | 21 | 11 | 13 | | 8 | É | lb. | IP I | |
| Temp. | (F) | 22/ | - | | 14 | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb | Daniel Bains |

0

0

PSYCHROMETRIC SUMMARY

SANTA ANA, CALIFORNIA

15648-7605 KM

PSYCHROMETRIC SUMMA JAN 68

| Temp. | | | | | | | WET BULB TEMPERATURE DEPRESSION (F) | B TEMPE | RATURE | DEPRESS | ON (F) | | | | | | TOTAL | | TOTAL | |
|--|----|-----|-----|-----|-------|--------|-------------------------------------|---------|---------|--|-----------|-----------|------------|---------|------------|----------|---------------------------|----------|----------|-----------|
| (F) | 0 | 1.2 | 3.4 | 5.6 | 7 . 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 | 19 - 20 2 | 21 . 22 2 | 23 - 24 25 | . 26 27 | . 28 29 . | 30 ≥31 | A | Dry Bulb | Wet Bulb | Dew Point |
| - | | | | | | | | | | . 1 | | | | .1 | | | 2 | | | |
| _ | | | | | | | | | | | | | - | 1 | + | - | 1 | - | | |
| - | | | | | | | | | | | | - | .1 | | | | 9 | | | |
| | | | | | | | | | | | | 2. | - | .3 | - | | 9 | | | |
| - | | | | | | | | 7. | 4. | | 7. | 7. | | | | | 6 | | | |
| | | | | | | | 7 | • | - | | 1 | - | - | - | 1 | - | 9 | | | |
| - | | | | | | | 6. | .2 | • 1 | .2 | | - | | | | | 12 | | | |
| - | | | | | | 4. | | • | 9. | 4. | 4. | | | | | | | | | |
| - | | | | | | .7 | | | 4. | 4. | | - | | | | | 58 | | | |
| - | | | | | .2 | | | • | 4. | .3 | .3 | | | | | | 24 | | - | |
| - | | | 1. | | 1.2 | | | • | 9. | .2 | .2 | | | | | | 42 | | 1 | |
| - | | | | - | - | _ | | • | .2 | 4 | 2 | | | | | | 62 | | 2 | |
| - | | | 1.0 | - | - | | | | | - | | | | | | | 99 | | 20 | |
| - | | 9 | 1.8 | 2 | - | | .5 | 7. | | . 1 | | | | | | | 8 | 81 | 24 | 6 |
| 58/ 57 | | 2.0 | 2.6 | ~ | | .3 | | .1 | .2 | | | | | | | | 76 | | 75 | 13 |
| - | 4. | * | 3.4 | - | • | | | | 7. | | | | | | | | 116 | | 139 | 44 |
| - | .2 | 5 | 2.7 | • | • | | • | | | | | | | | | | 104 | | | 95 |
| - | ** | 5 | 2.1 | 1. | • | | . 3 | | | | | | | | | | 115 | | | 118 |
| - | | * | 1.1 | • | • | • 1 | | . 1 | | | | | | | | | 77 | | | 163 |
| - | 6. | 3 | 1.5 | • | • | | | | | | | | | | | | 79 | | | 126 |
| - | .3 | 3 | 1.2 | • | • | | | | | | | | | | | | 63 | 63 | 79 | 110 |
| | 4. | - | 1.0 | • | | | | | | | | | | | | | 43 | 43 | | 76 |
| - | .2 | - | - | • | | | | | | | | | | | | | 32 | 32 | | 76 |
| - | 1, | - | | • | | | | | | | | | | | | | 13 | 19 | 4.7 | 99 |
| - | | | .3 | | | | | | | | | | | | | | 13 | 13 | | 4 |
| - | - | • | | | | | | | | | | | | | | | 9 | 9 | 15 | 43 |
| - | | | | | | | | | | | | | | | | | | | | 4 |
| - | | | | | | | | | | | | | | | | | | | | 26 |
| - | | | | | | | | | | | | | | | | | | | | 20 |
| | | | | | | | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | | | | | | | 7" |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | |
| : | | Ex2 | | | ZX. | - | × | O'X | - | No. Obs | - | | | * | Mean No. o | of Hours | of Hours with Temperature | ture | | |
| Rel. Hum. | | | | | | | | | | | | 40 F | ≥ 32 | | ₹ 67 F | ≥73 F | ≥80 F | 293 | | Total |
| Dry Buib | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | - | | | | | | | | | |
| Name and Address of the Owner, where the Owner, which the Owner, which the Owner, where the Owner, which the | | | | | | | | | | | | | | | | | | | | |

0

0

0

-

F EG

YEARS

73-77

SANTA ANAS CALIFORNIA

93114

5 P

1128

1128

3.

4.

9.

3.633.620.313.9 8.0 5.4 4.4 2.5 3.3 2.0 1.5

PAGE 2 TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb De

1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231

0

Temp.

18/ 17

16/ 141

12/ 11

TOTAL

WET BULB TEMPERATURE DEPRESSION (F)

| SYC | CHR | OMET | RIC : | SUM |
|-----|---------|-------|-------|-----|
| - | w Point | N (1) | | - |

| 1 | 1 |
|-----|----|
| JAN | 68 |
| | |

| | - | - | |
|-----|-----|---|--|
| 3 | - | | |
| - 3 | | | |
| 1 | 7 | | |
| | | | |
| | - 7 | | |









672.0 672.0

Total

2 93 F

5.4 ≥ 80 F

23.5

69.1 .

53.0

Mean No. of Hours with Temperature

≥73 F

≥ 67 F

≥ 32 F

4 0 F

1128 1128 1128

72.0 20.974 55.3 8.723 49.9 5.907

81203 62354 56298

3532582 2849134 2329016

> Wet Bulb Dew Point

> > 1

7.948

44.7

50466

No. Obs.



0

Element (X)

Ref. Hum. Dry Bulb

| | | | | | | | | | | | CON |
|-------|------------|---|--------------|-----------------|--------------|-------------------------|-----------------|---------------|----------------------|---|--------|
| 0 | 0 | 0 | 0 | 0 | • | 40 | 40 | 0 | 0 | 0 | 1 |
| 12676 | . TOOS MIN | | and the same | named to be de- | and the same | CONTRACTOR OF THE PARTY | and the last of | Contractor of | National Association | | JE 316 |

PSYCHROMETRIC SUMMARY

YEARS

PSYCHROMETRIC SUMMA JAN 68

| Temp. | | | | | | 3 | ET BULB | TEMPERA | WET BULB TEMPERATURE DEPRESSION (F) | KESSION (| (F) | | | | | | OTAL | | TOTAL | |
|-----------|----|-----|-----|-----|---------|--|--|---------|--|-----------------|--|------------|---------|--|-----------|--------------|--------------------|--------|------------|-----------|
| (F) | 0 | 1.2 | 3.4 | 5.6 | 7 - 8 9 | 9 - 10 11 | 1 - 12 13 | 17 | 15 . 16 17 . | - 18 19 - 20 21 | | 22 23 - 24 | 25 - 26 | 27 - 28 2 | 29'. 30 = | 231 D. | D.B./W.B. Dry Bulb | _ | Wet Bulb D | Dew Point |
| 82/ 81 | | | | | | | | | - | | • | н. | | | | | 1 | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | + | | - 0 | | | | | 1 | + | + | 0 1 | 9 1 | 1 | |
| | | | | _ | | | • | :- | | 1. | : | 1. | | | | | 0 4 | 0 4 | | |
| | 1 | 1 | 1 | + | 1 | | 4 | | 1 | • | - | 1 | | 1 | + | + | | 3 6 | | |
| | | | | - | | | | | * 16 | 40 | • | | | | _ | | 12 | 12 | | |
| | | 1 | 1 | • | • | | | | | L | L | | | | - | - | 0 | 0 | + | |
| | | | | | * | | 0 . | • | - | | 7. | | | | | | | 100 | | |
| 1 | 1 | + | 1 | 1 | • | 6. | 0 | 0 | 1 | 1 | | 1 | | + | + | + | 20 | 30 | 1 | |
| - | | _ | | . 2 | 1.2 | | • | | . 2 | . 2. | • | _ | | | | | 4 | 43 | • | |
| 64/ 63 | | | 1 | .3 | 1.9 | | 4. | .2 | • 2 | - | | | | | 1 | - | 52 | 52 | 0 | |
| 1 | | | . 7 | 1.4 | 2.7 | | 6. | | | .2. | _ | | | | | | 63 | 66 | 12 | - |
| - | | 1. | 1.6 | 2.7 | 1.8 | | .2 | 7. | - | | | | | | | | 111 | 111 | 20 | |
| 58/ 57 | | | 2.9 | 2.3 | 1.9 | | .2 | -: | 2 | - | | | | | | | 119 | 119 | 72 | 13 |
| - | | | 4.4 | 2.5 | 6 | | . 2 | 1 | | | | | | | | | 141 | 141 | 121 | 33 |
| - | | | 0 | 2.1 | 9 | | 2 | - | | - | | | | | | - | 129 | 129 | 169 | 69 |
| | 4 | | | 0 | | 2 | ! | - | | | | _ | | | | | 113 | 113 | 176 | 123 |
| 1- | | 1 4 | , | | | | 0 | | - | + | - | | | | | - | 0 | 801 | 200 | 140 |
| | | • | | 2 | • | • | 7. | | | | | | | | | | 300 | 36 | | 10 |
| | 9. | • | 7 | | 9. | + | + | + | - | + | + | | | 1 | + | + | 0 | 2 | 26 | |
| | - | | 2.1 | 0 | | | | - | | _ | | | | | | | 0. | 2: | 7 | 151 |
| 1 | | • | | | - | 1 | | + | | + | 1 | | | 1 | 1 | + | | * | * | 133 |
| - | | | *. | 7. | - | | | | | | | | | | | | 0 | 0 | 70 | 102 |
| - | 7 | | .2 | .2 | | | | | - | - | - | | | 1 | 1 | + | 6 | 0 | 37 | 86 |
| - | | | | | | | | | | | | | | | | | ~ | ~ | 22 | 4.4 |
| - | | | | | | | | | | | | | | | | | 1 | - | 9 | 4 |
| - | | | | | | | | | | | | | | | | | | | 2 | 26 |
| - | | | | | | | | | | | | | | | | | | | | 11 |
| - | | | | | | | | | - | | | | | | | | | | | 17 |
| - | | | | 1 | | | | | | | | | | | | | | | | 5 |
| - | | | | | | - | | | | | | | | | | | | | | 00 |
| | | | _ | | _ | | | . 6 | | _ | | | | | | | - | | | * |
| - | | | | | | | | | 1 | | | | | | | | | | | 19 |
| - | | | | | | | | | | | | | | | | - | | | | 2 |
| 8/ 17 | | | | | | | | | | | | | | | | | | | - | 10 |
| ie i | | 2x2 | | | Σx | | X | σ× | Š | . Obs. | | | | Mean No. | 10 | Hours with 1 | Temperature | | | |
| Rel. Hum. | | | | | | | | 7 | | | 0 % | ¥ | 32 F | ≥ 67 F | ≥73 | 1 . | 2 80 F | ≥ 93 F | Te | Total |
| Dry Bulb | | | | | | | | | | | | | | | | - | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | |
| | _ | | | | | Agency Company of the | A STATE OF THE PARTY OF THE PAR | | The state of the s | | The second secon | | | The second secon | | | - | | | |

000000

MODANIE ASERVOOM

O O O

0

SANTA ANA, CALIFORNIA

SANTA ANA CALIFORNIA

10 0

PSYCHROMETRIC SUMMA JAN 68

| | Wet Bulb Dew Point | 1240 | | | Total | 744.0 | 44.0 | |
|-------------------------------------|--|---------------------|------|------------------------------------|-----------|----------|----------|--|
| TOTAL | Wet Bulb | | 1240 | | _ | _ | | 1 |
| | Dry Fulb | 1240 | | | 2 89 F | | | - |
| TOTAL | .B.W.B. | | 1540 | Mean No. of Hours with Temperature | 2 80 F | 1.8 | | |
| | 231 | | | urs with | 273 F | 13.8 | | The second second |
| | | | | of Ho | 12 | | | |
| 1 | . 28 | | | Aean N | ₹ 67 F | 55.2 | | - |
| | 26 27 | | | - | - | | | The state of the s |
| | 24 25 | 2 | | - | ₹ 32 F | | | - |
| | 2 23 . | | | - | u. | | | 1 |
| | 21 - 2 | 9. | | | 20 F | | | |
| NOIS | 19 . 20 | 9. | | 3 | 1240 | 1240 | 1240 | |
| WET BULB TEMPERATURE DEPRESSION (F) | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | .5 4.1 1.6 1.9 1.6 | | No. Obs. | 12 | 12 | 13 | 1 |
| ATURE | 5 . 16 | 1.9 | | 1 | 2 | 2 | 2 | |
| TEMPER | | 0 | | d'x | 8.232 | 7.54 | 5.333 | |
| T BULB | . 12 | 1 | | + | - | | | t |
| WE | 5 | 10 | | × | 71.0 | 55.1 | 8 67 | |
| | 6 | - | | - | 142 | 83 | 121 | - |
| | 7.8 | 312, | | XX | 880 | 68383 | 617 | |
| | 5.6 | 15. | | | | _ | | |
| | 3.4 | 25.1 | | | 3018 | 3841643 | 740 | |
| | 1.2 | 1.926.825.115.312.8 | | 2×2 | 999 | 384 | 310 | 1 |
| | 0 | 1.9 | | 1 | | | | - |
| _1 | | *** | | (8) | E. | dla | alla | |
| Temp. | 101 | 107 AL | | Element (X) | Ref. Hum. | Dry Bulb | Wet Bulb | - |

E

| IAN | 40 |
|-----|----|

| Temp. | | | | | | | * | VET BUL | B TEMP | RATURE | WET BULB TEMPERATURE DEPRESSION (F) | SION (F | | | | | | | | TOTAL | | TOTAL | |
|-------------|----|-----|-----|-----|-----|-----|--------|---------|---------|---------|---|---------|------|---------|-----------|-------|----------|----------|--------|-------------|----------|----------|--------------------|
| (9) | 0 | 1.2 | 3.4 | 5.6 | 1. | 8 9 | . 10 1 | 1 . 12 | 13 - 14 | 15 . 16 | 0 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 | 19 . 21 | 21 - | 22 23 . | . 24 25 . | 26 27 | . 28 29 | . 30 | 231 D. | D.B./W.B. | Dry Bulb | Wet Bulk | Wet Bulb Dew Point |
| - | | | | | | - | | | | | | • | • | 1 | | | _ | | - | 3 | 3 | | |
| 80/ 79 | | | | | | - | | - | | .2 | • | • | 2 . | 2 | - | | | | - | 0 | 10 | | |
| - | | | | | _ | | .1 | | .2 | . 1 | | • | | 2 | | 7. | | | | 12 | 12 | | |
| 1 | | | | | | | | .3 | . 2 | .2 | .2 | • | 2 | 2 | 2 | | | - | | 18 | 18 | | |
| 74/ 73 | | | | | | | | .2 | 4. | | .2 | 7. | | • | ~ | | | | | | 18 | | |
| - | | | | • | _ | | | .5 | 4. | | . 2 | | • | 7 | | | | | | 27 | 27 | | |
| | | | .1 | | | _ | 1. | 6. | 4. | | | • | - | | | | | | | * | 4.4 | | |
| - | | | | • | 1 | 00 | .2 | .7 | . 2 | 5 | •2 | • | | | | | | | | 46 | 46 | 2 | |
| 1 | | | | • | | | 0 | 1.1 | .2 | | .2 | | | | | | | | | 69 | 69 | | |
| 64/ 63 | | | . 2 | • | | | .3 | .5 | . 2 | .2 | .2 | | | | | | | | | 82 | 82 | 11 | 2 |
| - | | | 9. | 2. | | | 1.2 | 1. | .2 | | • 1 | | | | | | | | | 16 | 16 | 59 | _ |
| - | | .2 | | 3 | | | | 7 | | . 1 | | | | | | | | | | 106 | 106 | | |
| - | | | 3 | 2. | | 1. | | .2 | | | | | | | | | | | | 66 | 66 | | |
| - | | 4.2 | 4 | 2 | | 4. | | - | | | | | | | | | | | | 138 | 138 | 168 | 40 |
| 54/ 53 | .2 | 3.0 | * | - | 2 | .3 | .2 | | | | | | | | - | | | | - | 112 | 112 | | |
| - | | | * | • | | 7 | | | | | | | | | | | | | | 124 | 124 | 176 | |
| - | .2 | | | | 1 | 2 | | -: | | | | | | | | | | | - | 111 | 111 | | |
| | | | - | • | | | | | | | | | | | | | | | | * | 40 | 122 | |
| - | | 1.3 | • | | 2 | - | | | | | | | | | | | | | - | 21 | 21 | | |
| | 7 | | • | | | | | | | | | | | | | | | | | 12 | 12 | 9 | |
| 14 /24 | | | • | • | 7 | | | | | | | | | | | | | | - | 9 | 9 | | |
| | | | | | | | | | | | | | | | | | | | | 2 | 2 | 13 | |
| | | | | | | - | | | | | | | | | | | | | - | 1 | 1 | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | 13 |
| | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 10 |
| | | | | | | - | | | | | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | | | | | | | | | | | |
| - | | | | | | - | | | | | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | | 2x2 | | | Z,x | 1 | | × | O'X | - | No. Obs | 55. | | | | * | Mean No. | of Hours | with | Temperature | ure | | |
| Rel. Hum. | | | | | | | | | | | | | 0.5 | 3.6 | ₹ 32 € | | ₹ 49 € | 273 | 4 | ₹ 98 € | 293 | 4 | Total |
| Dry Bulb | | | | | | | | | | - | | | | | | | | | | | | | |
| Wet Builb | | | | | | | | | | - | | | | | | | | | - | | | | |
| | - | 1 | - | - | - | - | - | 1 | - | - | - | - | - | + | - | - | | - | - | - | - | - | |

5

0 0

0

0 0

SANTA ANA, CALIFORNIA

| - | | 5 |
|---|-----|---|
| - | ٠, | ÷ |
| 3 | · J | 3 |
| 7 | | |

| | Dew Point | 1200 | | | | | | | | | Total | 730 0 | 720.0 |
|-------------------------------------|--|------------------------|--|--|---|---|---|---|--|------------------------------------|-----------|----------|-----------|
| TOTAL | fet Bulb | 1200 | | | | | | | | | - | - | |
| | Dry Bulb Wet Bulb Dew Point | 1200 | | | | | | | | 1 1 | 293 F | | |
| TOTAL | D.B./W.B. | 1200 | | | | | | | | Mean No. of Hours with Temporature | ≥80 F | 4.6 | |
| | 231 | | | | | | | | | Hours with | 273 F | 30.0 | |
| | 28 29 - 30 | | | | | | | | | an No. of | | 00001 | • |
| | . 26 27 . | -: | | | | | | | | Me | + | 9 | 8.01 |
| | 3 - 24 25 | 3 | | | | - | + | | | | ≥ 32 F | 1 | 0. |
| | 21 - 22 2: | • | | | | | | | | | 4 0 F | | |
| SSION (F) | 8 19 - 20 | 9 1.0 | | | | | | | | Jbs. | 1200 | 0071 | 1200 |
| JRE DEPRE | 16 17 - 1 | 1.6 1.6 | | | - | - | | | | No. Obs. | | | |
| WET BULB TEMPERATURE DEPRESSION (F) | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 2.6 1 | | | | | | | | σ× | 7.604 | 730 | 5.832 |
| WET BULB | 11 - 12 13 | 6.4 | | | | | | | | H | 7 | + | 47.1 |
| | 9 - 10 | 10.4 | | | | | | | | \vdash | + | + | + |
| 1 | 8 - 2 9 | 512.2 | | | | | - | - | | 2× | 83675 | 424 | 3649 |
| 1 | 3.4 5.6 | .315. | | | | | | + | | | 87 | 7 7 7 | 20 |
| | 1.2 3 | 1.522.025.315.512.210. | | | | | | | | 2x2 | 6206187 | 322642 | 2700050 |
| | 0 | 1.52 | | | | | | | | | | | |
| Temp. | (F) | TOTAL | | | | | | | | Element (X) | Ref. Hum. | Wes Ruit | Dew Point |

0 0 0 0 0 0 0 0

0 0 0 0

SANTA ANAS CALIFORNIA

MAY

=

150 744.0 16 744.0 1239 Dew Point 766.0 PAGE 1 HOURS (L.S.T.) Total Wet Bulb 183 290 272 162 TOTAL 9. ≥ 93 F Bufb 112 158 122 176 176 104 1239 4235 Dry Mean No. of Hours with Temperature 280 F D.B./W.B. 112 158 122 176 176 1239 104 13 24 6 39.0 ≥73 F 231 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 152.5 ₹ 67 F ₹ 32 \$ 0 F 2. WET BULB TEMPERATURE DEPRESSION (F) 1239 1239 1239 Ne. Obs. 3. ~ 4 --3.935 73.9 13.894 4.120 1.3 3.6 56.4 61.7 1.9 1.7 2.5 1.921.527.917.412.812.3 76387 91600 65208 3.6 7 - 8 3.4 5.6 7011060 4757419 3964153 3452890 1.9 6.7 9 60 1.2 2.3 1.6 0 63 500 69 Element (X) Dew Point Rel. Hum. Wet Bulb Dry Bulb Temp. 54/ 109 38/ 198 199 52/ 49 144 84/ 78/ 101 149 62/ 195 50/ 48/ 100 14/ 36/ 72/ 189 80/ 76/

NAVWEASERVCOM

0 15648 - TOOS MIN

SANTA ANA, CALIFORNIA

0 0

0

0

0

0

0

0

15648 - 7605 #1

| | 1 1 | 1 |
|-----|---------------|-------|
| 5 5 | PSYCHROMETRIC | SUMMA |

| MONTH OURS (1.5.7.) | AL. | Wet Bulb Dew Point | | | + | | + | | | | | | ~ | 2 | • | 32 | 69 | 12 1 | 35 4 | 227 14 | 8 | 195 324 | 91 241 | 9 | 7 67 | 2 | | 1200 |
|---------------------------------|-------------------------------------|---|---------|--------|---|--------|-----|-------|----|--------|----|-----|--------|-----|-----|--------|----|-------|-------|--------|--------|---------|--------|--------|------|--------|--------|-----------------------|
| PAG | TOTAL | - | | ~ | 2 | 01 | - 0 | 00 | 7 | 1.8 | 23 | 28 | 55 | 99 | 85 | 84 | 79 | 02 1 | 176 1 | | | | 25 | | 7 | - | _ | |
| | | 8. Dry Bulb | | ~ | 2 | • | | | | 00 | | | | | | | | 7 | | | | | 20 | | 2 | - | | 1200 |
| | TOTAL | D.B./W. | | | | | - | _ | | 1 | 2 | 2 | • | 99 | 8.5 | 60 | 19 | 10 | 176 | 207 | 130 | 9 | ~ | 1 | | | | |
| | | 30 ≥ 31 | | | 1 | | - | | _ | | | | | | | _ | | _ | | | | | | | | | | - |
| | | 28 29 - 3 | | - | + | | - | | - | | | | _ | | | | | | | | | | | | | | | 7 |
| STATION STATION NAME PAGE 1.1. | | . 26 27 . | • | • | + | - | - | | | | | | | | | | | | | | | | _ | | | | | - |
| | | . 24 25 . | | 7. | + | .2 | 1 | | - | | | _ | | | | | | | | | | | | | | | | 2 |
| | | . 22 23 . | | | 2 | 2 | 7. | | - | | | | _ | | | | | | | | | | _ | | | | | 0. |
| | (£) 7 | 21 | | | + | | 5 . | | - | | | | | | | | | | | | | | | | | | | 1.1 |
| | PRESSION | . 18 19 | | | + | | + | - 4 | | - 2 | 7 | | | | | | | | | | | | | | | | | 80 |
| | ATURE DE | 5 . 16 17 | | | + | 7 | 1 | : : | 2 | | .3 | .2 | | | | | | | | | | | | | | | | 1.3 |
| STATION MAME | TEMPER. | 3 - 14 1 | | | 1 | | 1 | ^ | 2 | 7 | s. | .2 | .2 | .2 | 7. | | | | | | | | | | | | | 2.3 |
| | WET BULB TEMPERATURE DEPRESSION (F) | 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 | | | 1 | | 1 | | | . 2 | s. | 1.2 | .7 | . 7 | .2 | | | | | | | | | | | | | 3.5 |
| _ | | 9 - 10 | | | 1 | | 1 | | | | 4. | . 7 | 7 | 7 | 7 | - | | | | | | | | | | | | 10.6 |
| TATION NA | | 7 . 8 | | | | | | | 1. | | 7. | .2 | • | 2 | 4 | ~ | 2 | • | .7 | • | | | | | | | | 13.7 |
| | | 5.6 | | | | | | | | | | | .2 | .2 | - | 1.8 | 2 | 3.5 | 3 | | 9. | | _ | | | | | 14.5 |
| | | 3.4 | | | | | | | | | | | | | - | .3 | : | 1 | 0 | 3 8.2 | _ | 2 1.7 | | | - | | | 925. |
| | | 1.2 | | | - | | - | | - | | | | | | | | • | 1.0 | - | .2 7. | • | .5 3. | - | | - | | | 1.923.925.414.213.710 |
| | | 0 | | _ | | _ | | | - | | | | _ | - | | _ | | | | | | | | • | | | | 1 |
| ATION | - Gwa | (F) | 101/201 | 66 /96 | _ | 92/ 91 | | 0 /90 | - | 82/ 81 | | | 76/ 78 | | | 70/ 69 | - | 9 /99 | - | | 60/ 59 | - | - | 54/ 53 | - | 50/ 49 | 48/ 47 | TOTAL |

0

0

0

0

NAVWEASERVCOM

Element (X) Rei. Hum. Dry Bulb Wet Bulb Dew Point

E

720.0

3.6 ≥ 93 F

45.6 ≥ 80 F

140.4 ≥73 F

289.2 ₹ 67 F

= 32

10 F

No. Obs.

d'x

74.8 14.971

1200 1200 1200

3.927 7,519

60.09

79752 79760 73034

5369168 4463470 3972317

3.289

68929

1200

Total

Mean No. of Hours with Temperature

720.0

•

T NON

SANTA ANA, CALIFORNIA

O O O

0

0

The State of the S

0

0

| 05 | PSYCHROMETRIC | SUMMA | JA |
|----|---------------|-----------------------|----|
| - | | and the second second | |

| | Wet Bulb Dew Point | | | 1 | | T | | T | | 1 | - | | 00 | 17 | 0 | 265 | 304 | 107 | 120 | = | D 10 | - | - | 1240 | | Total | 166.0 | 744.0 | |
|-------------------------------------|---|--------|---|------|--------|----|----|---|--------|------|--------|-----|--------|-----|-----|-----|--------|------|--------|---|--------|---|---|---------|------------------------------------|-----------|----------|----------|--|
| TOTAL | et Bulb | | | 1 | | 1 | | 1 | ~ | 2 | 11 | 33 | 83 | 180 | 250 | 260 | 235 | = | | 6 | • | | | 1240 | | | | | |
| - | Dry Bulb We | -1-1 | • | 15 | 12 | 97 | 30 | 0 | 13 | 86 | 102 | 101 | 118 | 138 | 177 | 168 | 9 0 | 200 | 3. | • | | - | | 1240 | | 2 83 F | 90 | | |
| TOTAL | - | | 3 | 15 | 12 | 97 | 90 | 0 | 73 | 86 | 102 | 101 | 1 3 | 38 | 111 | 168 | 90 | 20 . | 2 | 2 | | | | 1240 | Mean No. of Hours with Temperature | ≥80 F | 73.2 | | |
| | 231 | | | 1 | | | | 1 | | | | 1 | | 1 | | 1 | | 1 | | | | | | | Hours with | :73 F | 249.6 | 12.0 | |
| | . 28 29 . 30 | | | + | | + | | + | | 1 | | 1 | | + | | + | | + | | + | | - | | | Aean No. of | 1 | | 190.8 | |
| | 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | | | 1 | | + | | - | | | | - | | | | | | 1 | | - | | - | | | * | ≤ 32 F | • | - | |
| | 23 - 24 | | | - | | | | | | | | | | | | | | | | | | | | .2 | | | | | - |
| | 21 - 22 | | | - | | | | | | | | | | | | | | | | | | | | • | | 20 F | | | - |
| WET BULB TEMPERATURE DEPRESSION (F) | 18 19 - 20 | :: | | 2 .2 | .2 .1 | 1 | | - | | | | | | - | | | | - | | + | | - | | 9. | Obs. | 1240 | 1240 | 1240 | |
| URE DEPR | 16 17 . | | - | 5. | | 40 | | 1 | _ | 1. | | + | _ | + | | + | | + | | + | | - | | 1.2 | Š | | | | |
| TEMPERAT | 3 - 14 15 - | | | 1 | · · | , | 9 | | .2 | .1 | | 1 | | + | | 1 | | + | | + | | | | 2.6 1 | σ× | 3.633 | 6.723 | 3.555 | |
| WET BULB | 11 . 12 | | | 7 | 7. | 1 | - | 7 | - | ~ | | 7 | _ | | | | | 1 | | 1 | | | | 3 6.5 | × | 1 | | 64.2 | |
| | 8 9. | | - | - | | 1 | - | 2 | .6 3.8 | 0 3. | .1 2.3 | 1 | 7. | 2 | - | - | | + | | + | | - | | .513.3 | H | | | | 1 |
| | .6 7. | | - | + | | + | _ | 1 | | .3 2 | 4 | ~ | 1 4.4 | | 4.1 | | | + | _ | + | | - | _ | 7115 | Σ× | 921 | 98 | 19 | the second name of the last of |
| | 3.4 5 | | - | 1 | | + | | 1 | | | | | | | | 5.4 | 2.3 | • | 7. | + | | | | 6.914 | | 1467 | 6126547 | 1165 | |
| | 1.2 | | | | | | | | | | | | | 1.5 | | | 2.7 | _ | | | | | | 419.826 | Zx2 | 718746 | 6126 | 5128 | 1 |
| | 0 | | | | | | | | | | | | | | | | | 1 | 7. | 1 | | | | - | | | | | The second second second |
| Temo | 9 | 96/ 95 | 8 | | 86/ 85 | | | | - | - | 74/ 73 | - 1 | 10/ 60 | | - | 1 | 19 /29 | 1 | 28/ 27 | | 54/ 53 | | | 4 | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb | The second secon |

0 0 0 0 0

5.

| 13 14 15 15 17 18 19 20 21 22 23 23 23 29 29 29 29 | TOTAL | Ory Bulb Wet Bulb Dew Point | - | 2 | - | ~ | • | 15 | 38 | 99 | 96 | 88 | 95 | 81 | 106 | 163 | 175 | 35 | 80 | : | 7.6 | ** | 0 | ٥. | 1 | 1240 | | | | | | | 2 93 F | 9. | |
|--|------------|-----------------------------|---|---|---|---|---|----|----|-----|----|----|-----|-----|-----|-----|-----|----|-----|---|-----|-----|---|----|---|-------|---|---|---|---|---|------------|--------|------|------|
| 1. 2 3.4 5.6 7.6 9.10 [11.12] 3.4 [15.10] 0.12 [22.22 [23.26] 25.26] 25.26 [23.26] 25. | TOTAL | .B./W.B. | 7 | 2 | - | 3 | 6 | 13 | 38 | 99 | 96 | 88 | 95 | 81 | 106 | 163 | 175 | 38 | 80 | | 3,0 | 3 4 | • | n. | 1 | | | | | | | Temperatu | 2 80 F | 60.0 | |
| 1.2 3.4 3.6 7.6 9.10 11.12 13.16 17.18 19.20 21.22 23.24 | | 231 | | 1 | | 1 | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | Hours with | 273 F | 48.4 | 13.2 |
| 1.2 3.4 5.6 7.6 9.10 11.12 13.16 17.18 19.20 13.24 23.24 | | . 28 29 - 30 | | + | | - | | | | | | | | | | | | | | | | | - | | + | | | | - | - | - | ean No. of | ₹ 67 F | 1 1 | |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 1.1 3.3 3.2 8 2.1 2.2 4.2 2.2 1.8 7.2 3.8 2.2 2.1 7.3 1.7 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 2.4 2.0 1.1 3.3 3.2 8 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 5.4 2.0 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 | | 25 . 26 27 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | + | | | | | | | * | 32 F | * | 7 |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 2.1 2.2 4.2.2 1.8 7.2 3.8 2.2 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.2 7 1.0 1.1 2.2 2.7 1.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.3 3.3 3.2 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 | | 22 23 . 24 | | - | | 1 | | | | | | | | | | | | | | | - | | | | - | - | | | | | | | VI | | |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 2.1 2.2 4.2.2 1.8 7.2 3.8 2.2 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.2 7 1.0 1.1 2.2 2.7 1.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 4.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.2 8 3.4 2.0 1.1 3.3 3.3 3.3 3.2 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 2.0 1.1 3.3 3.3 3.3 3.3 8 3.4 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 3.3 8 3.5 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 | (F) | 20 21 - | | 1 | | 1 | | 1 | _ | | | | | | - | | | | - | _ | - | | + | | - | | | | | - | - | 1 | V | | |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 1.1 3.3 3.2 8 2.1 2.2 4.2 2.2 1.8 7.2 3.8 2.2 2.1 7.3 1.7 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 2.4 2.0 1.1 3.3 3.2 8 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 5.4 2.0 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 | EPRESSION | 7 . 18 19 . 7 | | + | | • | | • | | | | | | | | | | | | | | | 1 | | | | | | | | | No. Obs. | 1240 | 1240 | 1240 |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 1.1 3.3 3.2 8 2.1 2.2 4.2 2.2 1.8 7.2 3.8 2.2 2.1 7.3 1.7 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 2.4 2.0 1.1 3.3 3.2 8 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 5.4 2.0 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 | PERATURE D | 1 15 . 16 1 | | • | | | • | | | | | | | | | | | | | | 1 | | 1 | | 1 | • | 7 | | | | | - | | 161 | 130 |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 1.1 3.3 3.2 8 2.1 2.2 4.2 2.2 1.8 7.2 3.8 2.2 2.1 7.3 1.7 2.2 2.7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 5.4 2.0 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.7 1. | ILB TEM | 13 . 1, | | | • | • | • | • | | | • | | | | | | | | | | | | - | | | ; | | | | | | φ, | 13. | 9.0 | 3.6 |
| 1.2 3.4 5.6 7.8 9 1.2 3.4 5.6 7.8 9 1.1 3.3 3.2 8 1.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.1 3.3 3.2 8 2.2 7 1.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 4.4 2.0 1.1 1.5 5.4 2.0 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.6 5.7 1.5 5.7 | WET BL | 10 11 - 12 | | + | | - | | 1 | - | 2 | 2 | | | 3 | 1 | | | | | | + | | 1 | | - | 7 | | | | | | × | 76.0 | 69.5 | 64.1 |
| 1.2 3.4 5.6 1.2 3.4 5.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.3 3.6 1.1 3.6 1. | | 6 | | + | | 1 | | | | - 1 | | | | | | | - | | - | | + | | + | | | | | - | - | - | - | 1 | 202 | 0 | 176 |
| 1.2 3.4 1.2 3.4 1.1 3.3 1.1 3.3 1.1 3.3 1.2 1.2 1.3 1.2 1.3 1.2 1.3 1.2 1.4 2.0 1.5 1.4 2.0 1.5 1.4 2.0 1.5 1.6 4.7 2.0 1.5 1.6 4 | | 7 8- | | + | _ | 1 | | | _ | | | | 6 9 | 4 2 | 2 | 00 | - | | | | • | | + | | | 11. | | | | - | | ZX | 246 | 862 | 794 |
| 7 | | 7 | | + | | 1 | | | | 7 | .2 | - | _ | | 100 | 7 | 3 | - | | | | | 1 | | | 18.72 | | | | | | 1 | 3602 | 9150 | 2074 |
| | | | | 1 | | | | | | | | .2 | | • | 1.1 | - | 5 | 9 | 4.4 | 2 | - | : | • | * | | • | | | | | | 2x2 | 738 | 409 | 511 |
| | | 0 | | | | | | | | | | | | • | | • | | | | | | • | • | | 1 | • | | | | | | | | | |

0000000000

SANTA ANAL CALIFORNIA

SEP

SANTA ANA, CALIFORNIA

15548-7605 WW

| | 1 .1 | 1 | - | 1 |
|---|-----------|----------|-------|-------|
| 5 | PSYCHROME | TRIC SUA | MMA J | 86 MA |

93114 SANTA ANAS CALIFORNIA STATION MAKE

15642.7605 HSH

0

0

0

0

0

0

0

5 PSYCHROMETRIC SUMMA JAN 68

| | Dry Bulb Wet Bulb Dew Point | 1197 | | Total | 720.0 | 720.0 | 730 0 |
|-------------------------------------|--|---------------------|------------------------------------|-----------|----------|----------|-----------|
| TOTAL | Wet Bulb | 1197 | | | | - | _ |
| 1 | Ory Builb | 1197 | | 2 89 E | 5.4 | | |
| | D.B./W.B. | 1197 | Mean No. of Hours with Temperature | 2 80 F | 65.6 | | |
| | 13 | .5 | Hours with | 273 F | 202,1 | 8.01 | 1.2 |
| | 29 . 30 | .3 | No. of | - | | | |
| | . 28 | .2 | Mean | ₹ 67 F | 442.1 | 159 | 31.3 |
| | 0 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 | | 1 | ± 32 F | | | 3.0 |
| 1 | 3.2 | .3 | | vi | | | |
| 1 | 1.22 | £. | 1 | 40 F | | | |
| (E) | . 20 2 | .3 | + | | - | | |
| WET BULB TEMPERATURE DEPRESSION (F) | . 18 | .7 | No. Obs. | 119 | 1197 | 1197 | 1197 |
| TURE | . 16 | 1:1 | 1 | | 1 | | - |
| EMPERA | 14 15 | 2.0 | ď, | .807 | .367 | | 4.945 |
| BULB | 12 13 | 4.1 | + | 8 1.5 | 2 | 9 | - |
| W | 9 | 9.6 | - IX | 75.8 | 69.2 | 63.6 | 60.3 |
| 1 | 80 | | - | 714 | 4 | 128 | 168 |
| 1 | • | 117. | ZXX | 907 | 82 | 76 | 72 |
| .4 5.6 7 | 4 | •10. | + | 52 | 24 | 72 | 0 |
| | 6 | 927 | - | 1735 | 37982 | 48621 | 43803 |
| 1 | - | 1.324.927.014.711.5 | 2x2 | 7 | .6 | * | * |
| Temp. | - | 1 2 | Element (X) | Rei. Hum. | Dry Bulb | Wet Bulb | Dew Point |
| - | 32/ | 28/ TOT | Eleme | Rei | 9. | We | Dev |

DC T

YEARS

| | Dew Point | | | | | | | | | | | | ~ | 7 | 25 | 6 | 192 | 191 | 186 | 44 | 17 | 99 | 48 | 35 | 24 | 7. | 14 | 20 | 12 | | Total | | |
|---------------------------------|-----------------------------------|----|----|----|-----|----|----|-----|----|------|------|-----|------|------|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|----|----|-----|----|---------------|-----------|----------|--|
| TOTAL | | | | 1 | | | | | | | 2 | 9 | 28 | 20 | 66 | 120 | 216 | 166 | 101 | 7.1 | 20 | 53 | 27 | 10 | - | 2 | 6 | ~ ~ | • | 1 | - | - | The second second |
| | Dry Bulb V | | 7 | 9 | • - | 80 | = | 910 | 28 | * | 8 7 | 74 | 77 | 114 | 129 | 077 | 121 | 77 | 58 | 35 | 84 | 25 | 10 | 2 | 3 | 1 | 3 | 7 | | - Lin | 293 F | | The second second second |
| TOTAL | D.B./W.B. | 1 | - | 9 | * 1 | 8 | 17 | 0 4 | 28 | 44 | * | | 77 | ~ | 129 | VIE | 121 | 77 | 58 | 35 | 48 | 25 | 01 | ~ | 3 | | - | - | | h Temperature | ≥80 ₽ | | |
| | 231 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | Hours with | ≥73 F | | The same of the sa |
| | 29 . 30 | .1 | 7. | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 10 | L | - | AND DESCRIPTION OF THE PERSON NAMED IN |
| | 27 . 28 | | | .2 | 1 | -: | | | | | | | | | | | | | | | | | | | | | 1 | | | Mean No. | ₹ 67 1 | | |
| | 25 . 26 | | | 2. | • | | 7 | | | | | | | | | | | | | | | | | | | | | | | | 32 ₽ | | |
| | 23 - 24 | | | 1 | | Ŀ | | | .2 | | | | | | | | | | | | | | | | | | | | | | V1 | | |
| | 21 - 22 | | | | : | • | • | | • | .2 | • | | | | | | | | | | | | | | | | | | | | 20 5 | | |
| SSION (F) | 19 - 20 | | | | • | .2 | .2 | | .2 | | | .3 | 2 | | | 1 | | | | | | | | | | | | | | Obs. | | | 4 |
| E DEPRES | 8 17 - 18 | | | 1 | ~ | | | : | | 2 | 2 .2 | ~ | 2 .1 | | 7 | | | | | | | | | | | | | | | No. O | | | |
| PERATUR | 4 15 - 16 | | | - | | | 2 | | | • | • | • | 2 | 2 | | 1 | | 1 | | | | | | | | | 1 | | - | 1. | | | |
| WET BULB TEMPERATURE DEPRESSION | - 12 13 - 14 15 - 16 17 - 18 19 - | | | 1 | | | - | 4 4 | 1. | | • | • | • | • | • | • | ~ | • | | | | | | | | | + | | - | O'X | - | | |
| WET B | = | | | 1 | | - | • | | | 8 | | | 9 | | 8. | • | 77 | | | | | | | | 1 | | 1 | | - | × | | | |
| | 8 9 . 10 | | - | + | | - | | • | | - | - | - | • | 1 | | 1 | , , | | • | - | 2 | 1 | * | 1 | - | | + | | - | 1 | | | |
| | 6 7. | | - | + | | - | - | | - | 1 1. | | 2 6 | 8 | 9 | | 0 0 | 710 | 2 | | 4 | | | 2 | | - | | + | | | ZX. | | | |
| | .4 5. | _ | | + | | - | - | | - | | | | .7 1 | .9 2 | 4. | | | 0 | 0 | | | | | | 2. | | 1 | | | + | - | - | - |
| | .2 3. | - | - | + | | - | 1 | 1 | + | | | | _ | .2 2 | v . | | 200 | .7 | .3 | | * | 7. | - | | - | - | 7. | 7. | - | 2 | | | |
| | 0 | | - | + | | - | + | | + | | | - | | _ | 7. | | 200 | N | | 2 | | | - | | - | | + | | | 2x2 | | | |
| - | L | 97 | 93 | 6 | 8 2 | 85 | 83 | 182 | 12 | 75 | 73 | 71 | 69 | 67 | 60 | 60 | 200 | 57 | 55 | 53 | 51 | 64 | 4.7 | 45 | 63 | 41 | 39 | 34 | 33 | (8) | E | 9 | - |
| Temp | 3 | - | - | 1. | | - | - | | - | - | - | - | - | - | | | | - | - | - | - | - | _ | - | 1 | | 1 | - | 1 | ١٠ | Ref. Hum. | Dry Bulb | |

E

SANTA ANA, CALIFORNIA

YEARS

73-77

| | Wet Bulb Dew Point | -2- | 1240 | | | | | | | | | Total | 766.0 | 9000 |
|---------------------------------------|--|------|---------------------|---|---|--|---|---|---|---|------------------------------------|-----------|----------|----------|
| TOTAL | fet Bulb | | 1240 | | | | | | | | - | | | + |
| | Bulb V | | 1240 | | | | | | | | 1 | 183 | 204 | |
| | D.B./W.B. Dry Bulb | | 1240 | | | | | + | | | Mean No. of Hours with Temperature | 2 80 F | 43.2 | 1 |
| | | | 12 | | | | | | - | + | with Te | 1 | | 7 |
| | 0 231 | | | | | | - | | | - | Hours | 273 F | 122.4 | - |
| | 29 . 3 | | 2. | | | | | | | | No. o | - 1 | 281.4 | - 1 |
| | 27 . 28 | | * | | | | | | | | Med | 3 67 F | 28 | - 1 |
| | 25 . 26 | | 9 | | | | | | | | 1 | = 32 F | | |
| | 23 . 24 | | 1.0 | | | | | | | | 1 | + | + | + |
| | 1.22 | | 1.0 | | | | | | | | | 20 F | | |
| (E) NO | WEI BUILD IS NOT THE 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | | 1.6 | | | | | | | | 1 | a | 0 | 0 |
| WET BILL TEMBER ATLIBE DEPRESSION (F) | 181 | | | | | | | | | | No. Obs. | 1240 | 1240 | 1240 |
| THE DE | . 16 17 | | 1.4 | | | | | | | | 1 | | | |
| EMBEDA | 14 15 | | 2.4 | - | | | | | | - | σ× | . 530 | 8.605 | 5.135 |
| Alli R T | 12 13 | | 2.7.2 | - | - | | - | | | + | + | - | + | + |
| THE PARTY | 10 11 . | | 4 | | | | | | | | × | 73.9 | 94.9 | 59. |
| | 8 9. | | 9 | | | | | - | | | | 940 | 80315 | 00 |
| | 7. | | 210 | | - | | - | - | - | | × × | 91646 | 803 | 73180 |
| | 5.6 | | 213. | | | | | | | | | 0 | 6 | 2 |
| | 3.4 | | 23. | | | | | | | | | 7198840 | 1375 | 433955 |
| | 1.2 | | 2.827.723.913.012.0 | | | | | | | | ZX2 | 715 | 526 | 43 |
| | 0 | | 2.8 | | | | | | | | | | | - |
| 1 | Temp. | 62 / | AL | | | | | | | | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb |
| L | | 30, | 101 | | | | | | | | Eler | 8 | ٥ | 3 |

15555.7805 NDI

SANTH ANA CALIFORNIA

0

0

| 5 | PSYCHROMETRIC | SUMMA |
|---|---------------|-------|
| | | 1 |

| Temp. | | | | - | | | | | VET BI | ILB TE. | WPERA | TURE | DEPRE | WET BULB TEMPERATURE DEPRESSION (F) | (3) | | | + | | - 1 | 1 | - | | TOTAL | | TOTAL | + |
|-------------|----|----------------|-------|------|----|-------|---|-------|--------|---------|-------|-------------------------|--------|-------------------------------------|---------|-----------|----|---------|------|---------|------------|----------|------------------|--------|----------|----------|-----------|
| (e) | 0 | 1.2 | 3 - 4 | 2 | 9. | 7 . 8 | | 10 11 | 1 - 12 | 13 . | 14 15 | . 12 13 - 14 15 - 16 17 | 17 - 1 | . 18 19 . | . 20 21 | 1 . 22 23 | | . 24 25 | - 26 | 27 . 28 | 30 | 30 231 | | | Dry Bulb | Wet Bulb | Dew Point |
| 56 /96 | | | | _ | | | | | | | | | | | | | | | | | • | 1 | | - | - | | |
| 1 | | | | - | 1 | | 1 | 1 | | | + | 1 | | 1 | + | | | + | 1 | | 1 | 1 | - | - | 1 | | + |
| 92/ 91 | | | | | | | | | | | | | | | | | | | | | • | 7. | | ~ | 7 | | |
| - | | | | - | | | | | | | | | | - | - | | | - | - | | 1 | 2 | 1 | 4 | * | | + |
| - | | | | | | | | | | | | | | | .2 | | | | 2 | 7. | | | _ | 9 | ٥ | | |
| 86/88 | | | | | | | | | | | - | - | | _ | | | | - | | | • | - | - | 89 | 00 | | |
| - | | | | _ | | | | | | | | . 2 | • | N | .3 | | • | 1 | .2 | 7 | | | | 12 | 12 | | |
| | | | | | | | | | | | | 10 | | 10 | | . 2 | | - | .2 | | | | | 17 | 17 | | |
| 80/ 70 | | | | - | 1 | | | - | | - | - | 7. | - | 2 | - | - | | | - | | | _ | | 18 | 18 | | _ |
| | | | | | | | | - | | | NO. | - | | 10 | | 4 | | - | | | | | | 20 | 20 | | |
| - | | | | - | 1 | | - | 1 | 1 | | 15 | | | - | 0 | | | - | .2 | | | - | - | 25 | 25 | | - |
| | | | | _ | | | | 14 | | | 10 | | • | 1 10 | : - | | | • | | | | | | 32 | 32 | | 2 |
| 12/ 7 | | | 1 | • | 2 | , | | 0 | 1 | | 3 | | • | 100 | - | | | - | | | | - | - | + | 41 | | _ |
| | | | | | | | 1 | 0 | | | _ | 4 | | | | | | | | | | | | 28 | 28 | | • |
| - | | | | - | 2 | 4 . | 1 | 2 | | | 4 | 3. | | - | - | | | - | | | | - | - | 20 | 30 | 13 | _ |
| | | - | | - | - | - | | | | | 3 | 65 | , | | | - | | _ | | | | | | 60 | 9 | | - |
| | | | | - | | 9 4 | - | 0 | - | | - | | | 2 | - | 1 | | - | | | | - | - | 99 | 99 | | - |
| | - | 9 | - | - 60 | | - | | 1 | | | - | | | _ | - | | | | | | | | | 81 | 81 | 56 | |
| - | .2 | | 12 | | | | | | | | - | | • | 1 | - | | | - | | | | - | | 113 | 113 | | _ |
| - | .2 | 3.3 | ~ | 0 | | | | 3 | | | - | | | | | | | | | | | | - | 96 | 96 | 1 | |
| - | .5 | | - | 1_ | | | | 7 | • | | 7 | | | _ | | | | - | | | | | | 83 | 83 | | |
| - | | 3.2 | - | * | | | | m | .2 | | | . 2 | • | | | | | | | | | | | 87 | 87 | | 147 |
| - | | | 7 | 2 | 80 | | 0 | - | | | 7. | | | _ | | | | | | | | | | 87 | 87 | 107 | |
| | 4 | | | - | | • | - | | | | | | | | | | | - | | | | | | 78 | 84 | | |
| 48/ 47 | .3 | 2.2 | 1 | 6 | | 1 | - | - | | | - | | | - | | | | - | | | | | _ | 28 | 58 | | - |
| - | | | - | 0 | 3 | • | | _ | | | | | | | | | | | | | | | | 52 | 52 | | - |
| - | .2 | | 1 | 1 | 9 | | 2 | 1 | | - | - | | | - | | | | - | | | | - | | 42 | 42 | | - |
| _ | .2 | | | | | | _ | | | | | | | | | | | | | | | | | 10 | 10 | 40 | _ |
| - | | | | 3 | | • | - | | | | - | | | _ | - | | | | | | | | | 11 | 11 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | 5 | 2 | 15 | |
| - | | | | - | | | - | | | _ | - | | | | | | | _ | | | | _ | | - | 1 | | 00 |
| 34/ 33 | | | | | | | | | | | | | | | | | | - | | | | | | | | | ~ |
| | | | | - | | | - | | | | - | | | _ | | | | | | | | | | | | | - |
| 10 | | | | | | | | | | | - | | | _ | | | | - | | | | - | - | | | | - |
| Element (X) | | Σ_{X^2} | | - | | Zx | | | × | | d'x | | No. | Obs. | | | | | | Mea | Mean No. o | of Hours | with Temperature | mperot | ore | | |
| Rel. Hum. | | | | _ | | | | | | | | | | | | 2 0 F | u. | = 32 | ı | 792 | | =73 | A1 | ≥ 80 F | 293 | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | - | | | - | |
| Wet Bulb | | | | - | | | | | | | | | | | - | | | | | | | | - | | | | |
| Dew Point | | | | - | | | | | | _ | | _ | | | _ | | | | | | | | | | | | |

NAVWEASERVCOM

000

O O O O

0

0

SANTA ANA, CALIFORNIA

NDV

5 PSYCHROMETRIC SUMMA JAN 68

| | Dew Point | 2 M M ~ | **** | 1200 | | | 720.0 | 720.0 | 200 |
|-------------------------------------|---|---------|------|------------|--|------------------------------------|-----------|----------|-----------|
| IVIO. | /et Bulb | | | 1200 | | 1 | | 1 | - |
| | Dry Bulb Wet Bulb Dew Point | | | 1200 | | | 15.3 | | |
| TOTAL | D.B./₩.B. | | | 1200 | | Mean No. of Hours with Temperature | 26.98 | | |
| - 1 | 231 D. | | | 7 | | urs with | 87.0 | 1.2 | - |
| - 1 | | | | ** | | of Ho | | | |
| | 7 . 28 29 . 30 | | | .3 | | Mean No | 1 58.4 | 11.4 | . 8 |
| | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 | | | œ. | | 1 | 2 32 F | 9 | 800 |
| | 23 - 24 | | | .7 | | - | 1 | - | 7 |
| | 21 - 22 | | | 1.5 | | 1 | 100 | | |
| SION (F) | 19 . 20 | | | 1.7 | | þ, | 1200 | 1200 | 1000 |
| WEI BULB TEMPERATURE DEPRESSION (F) | 17 - 18 | | | 1 2.3 | | No. Obs. | 12 | 12 | 13 |
| PEKAIUK | 15 . 16 | | | 4.1 | | × | 1.073 | 6.801 | 8.610 |
| ULB TEM | 2 13 - 1 | | | 2 3.0 | | 1 | 20 | * | + |
| WEI | 1.11 | | | 2 4.2 | | × | 000 | 52.7 | 44.0 |
| | 8 9. | | | .7 8. | | | 70076 | 81 | |
| | 6 7. | # | | 3.5 9 | | X | 700 | 63 | 56316 |
| | 4 .5 | | | 2 | | - | 93 | 0.0 | 20 |
| | .2 3. | | | .519 | | 2 | 4329434 | 3381005 | 2731802 |
| | 0 | | | 3.226.519. | | ZX2 | 0 4 | | 2 |
| _ | 23 | 123 | 22." | | | 8 | E G | alla | Sint |
| Temp | (F) 28/ 26/ | 1867 | 3283 | TOTAL | | Element (X) | Rel. Hum. | Wet Bulb | Dew Point |

0

SANTA ANA, CALIFORNIA

5 PSYCHROMETRIC SUMMA JAN 68

| 99 | | | | | | | | | | | | | | | e de | | | | | PAGE 1 HOURS (LS.T.) | 4.5.7.) |
|---|--------------|----|-----|-----|-----|-----|-----|---------|----------|-----------|----------|----|------|-------|---------|------|---------|-------------------|-----------|----------------------|-----------|
| 1 | Temp. (F) | 0 | 1.2 | | | | 2. | WET BUL | 3 TEMPER | 5 - 16 17 | EPRESSIO | | - 22 | 24 25 | 26 27 . | 29 . | | TOTAL D.B./W.I | Bulk Bulk | | Dew Point |
| 77 77 77 77 77 77 77 77 77 77 77 77 77 | 84/83 | | | | | | | | | | | - | 7 | | -:- | | | | | 24 | |
| 13 | - | | | | | 9 | | | | Ν- | | .2 | 20 | 2. | .2 | | | 7 | 1 | 0.5 | |
| 73 | | | | | | | | .2 | 1 | .2 | - | | 121 | - | | | - | - | | | |
| 65 | - | | | | | | | 20 | 9. | 7 4 | | | · 2 | + | + | - | - | 2 | | | |
| 67 1. 2 . 6 1.1 . 5 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 6 . 1 . 2 . 2 . 6 . 2 . 2 . 2 . 1 . 2 . 6 . 2 . 2 . 2 . 2 . 1 . 2 . 2 . 2 . 2 . 2 | - | | | | - | | | | | n m | , r. | | | A 1 | | | | - 60 | | | |
| 65 -1 -4 -6 -9 1-0 -2 -2 -2 -1 -1 -5 -6 -5 -5 -3 -5 -4 -2 -1 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 | - | | | 7. | | | | | .2 | c | | | | | | | | * | | | |
| 10 10 10 10 10 10 10 10 | - | | | 3. | • | • | | .2 | | • 5 | 4. | | | - | - | | | 5 | | | |
| 10 10 10 10 10 10 10 10 | | 7. | | | | • | | * | 2. | 2. | | - | | | | | | in | | | |
| 29 | | 9. | | | 4 | 1.5 | | - | | .2 | | - | + | + | + | - | 1 | 7 | | | |
| 53 | | | | | | • | • | | 2 " | ~ 1 | | | | | | 1 | 4 | 0.0 | | | |
| \$1 . 5 3 . 6 4 . 0 . 3 . 1 . 0 . 2 . 1 . 0 . 2 . 1 . 0 . 2 . 1 . 0 . 2 . 1 . 0 . 2 . 1 . 0 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 | - | 90 | - | 4 | | | 0 4 | | | 7 | | + | - | + | + | + | - | 1 | | | |
| 51 | | | | • | | | | 9 4 | | | | | | | | | | - | | | |
| 7 49 49 4 10 6 12 12 1 10 6 3 5 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | - | .5 | | | | 6. | | 30 | | | | | E. | | - | H | | 10 | | | 1 |
| 45 . 6 3.5 1.7 1.0 . 3 . 2 . 2 . 2 . 9 . 9 . 9 . 116 . 9 . 9 . 9 . 116 . 9 . 9 . 9 . 116 . 9 . 9 . 9 . 9 . 9 . 9 . 9 . 9 . 9 . | - | 4. | • | | 1.0 | .5 | | .2 | | | | | | | * | | | 8 | | | |
| 7 45 .4 2.0 1.2 .5 .3 .2 | - | 9. | | | | .3 | | .2 | | | | | | | | | | 6 | 1. | | |
| 7 432 3.2 1.04 40 40 40 40 40 40 40 40 40 40 40 40 40 | - | *. | | | | | | .2 | | | | | | | / | | | 3 | 1 | | |
| 7 41 .6 1.7 .6 .4 40 40 86 4 49 .3 2.2 1.0 .4 49 49 64 49 64 49 64 49 64 49 64 49 64 49 64 49 64 49 64 64 69 69 69 69 69 69 69 69 69 69 69 69 69 | - | | • | 1.0 | . 7 | | | | | | | | | | | | | 9 | /- | | |
| 7 3 2 2 1 . 0 . 4 49 49 64 47 47 47 47 47 47 47 47 47 47 47 47 47 | - | 9. | | | 4. | | | | | | | | | | | | - | * | | | |
| 37 -68 -3 -2 -2 -2 -2 -2 -2 -2 | - | .3 | | | | | | | | | | | | | | | _ | 4 | | | |
| 35 12 2 2 2 9 1 1 1 1 1 1 1 1 1 | - | | | . 3 | | | | | | -1 | | | | - | | | | - | | | |
| 1 31 | - | | .2 | | | | | | | | - | | | 1 | | | | | 1 | | |
| 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | - | | | - | | | | | | | | 1 | | | | | | | | | |
| 1 2 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | | | | | | | | | | | | | | 7 - | r. | | | 12 |
| 23 29 29 29 29 29 29 29 | - | | | | | | | | | | | - | | | | - | | | | | 27 |
| 23 Factor Fact | - | | | | | | | | | | | | | | | | | | | | 18 |
| / 19 / 17 / 17 / 17 / 18 bib | | | | | | | | | | | | | | | | | | _ | | | 18 |
| 19 | | | | | T | | | 1 | 1 | 1 | + | + | + | + | + | + | + | 1 | 1 | 1 | 2 |
| Σχ ² Σχ | | | | | | | | | | | | | | | | | | | | | ω r |
| 20F 232F 267F 273F 280F 293F | nent (X) | | 2x2 | | | Σ× | | × | σ× | | No. Obs. | - | | | Me | | Hours w | ith Tempe | ature | | |
| y Bulb | . Hum. | | | | | | | | | 6 | | | 0 | | | | | - 80 | | 3.5 | Total |
| et Bulb | y Bulb | | | | | | | | | | | | | | | | | | | | |
| | et Bulb | | | | | | | | | | | | | | | | | | | | |

12648 - 7605 - 54321

PSYCHROMETRIC SUMMA JAN 68

1240

73-77

SANTA ANAS CALIFORNIA

3.4 5.6

1.2

0

E E

12/ 11

0

DTAL

0

0

0

0

YEARS

PSYCHROMETRIC SUMMARY

TOTAL D.B./W.B. 231

7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 3 . 4.730.419.812.4 8.7 6.9 5.3 3.3 3.5 1.7 1.4 1.2 WET BULB TEMPERATURE DEPRESSION (F)

1240

1240

1240

E

764.0

Total

2 93 F

2 80 F

≥73 F

≥ 32 F

20 F

1240 No. Obs.

70.1 21.721

86982 61330 54267

\$880005 3090832 2476171

Wet Bulb Dew Point

Dry Bulb Rel. Hum.

X

1240 1240 1240

> 6.810 9.039

43.8 49.5 55.1

9.401

9.9

33.0

93.6 ₹ 67 F

84.0

Mean No. of Hours with Temperature

766.0

Element (X)

NAVWEASERVCOM

ISEAR-YEOS WIN

HU0 0 0

5 PSYCHROMETRIC SUMM JAN 68

| Tema | | | | | | | WET B | JLB TEM | PERATUR | WET BULB TEMPERATURE DEPRESSION (F) | SION (F | 6 | | | | | | TOTAL | - | TOTAL | |
|-------------|-----|-----|-----|-----|-------|--------|-------|---------|-----------------|-------------------------------------|--------------|------|-----------|-----------|-----------|-------------|----------|------------------|-------------|--------|--------------|
| (F) | 0 | 1.2 | 3.4 | 5.6 | 7 . 8 | 9 - 10 | - | 13 - 14 | . 14 15 . 16 17 | 5 17 - 18 | . 18 19 . 20 | 21. | 22 23 - 2 | 24 25 - 2 | 26 27 . 2 | 28 29 . 3 | 30 = 31 | D.B./W.B. | B. Dry Bulb | - | Jb Dew Point |
| 102/101 | | | | | | | | | | | | | | | • | 0 | 0 | 0 | 12 | 77 | |
| - | | | | | | | | | | | | | | | • | 0 | 0. | | 3 | | |
| - | | | | | | | | | | | 0 | | 1 | 0 | 1 | |] | | | 6 | + |
| 66 / 63 | | | | | | | | | | • | | 0. | | | 0 | | 0. | | | • | _ |
| - | | | | | | | | | • | 0 | 0. | | 1 | | ٦ | | | | | 3 | - |
| - | | | | | | | | 0. | | | | | • | | • | | 0. | 23 | | 28 | _ |
| - | | | | | | 0. | • | 0 | 0 | 0. | • | 1 .0 | | 0 | | 0 | | * | | 89 | - |
| 1 | | | | | | | • | • | | | | | • | | | • | 0 | • | | 99 | |
| - | | | | | 0. | 0 | 2. | 2 . 2 | 2 .1 | • | 1. | 0 | | | | 0 | | 96 | | 9 | - |
| - | | | | | 0. | | | . 3 | | | | | | | | | | 178 | ~ | 8 | _ |
| - | | | 0 | | - | | | | - | 0. | | • | 1 | | • | 0 | | 26 | | 2 | - |
| - | | | 0 | • | • | | 3 . 5 | | | | | | | | 0. | | | 34 | | | - |
| - | | 0 | 0 | | • | - | | | 1. 2 | 1 . 1 | • | 1. | 1 .0 | | 0 | | | 43 | 2 432 | | ~ |
| - | | • | - | • | - | - | | | | | • | | | 0 | | | | 545 | | | 2 |
| - | 0 | 0 | | • | 1 | | | | 2 | 2 .1 | • | 0. | 0 | | | | | 61 | | | - |
| - | | .2 | 1.0 | 1: | 7 | | 6. 1 | | | | 1. 1 | 0. | 0 | | | | | 194 | 4 794 | 328 | |
| - | 0 | 9. | | - | - | | | | | • | • | | | | | | | 95 | - 1 | | |
| - | 0 | • | | - | - | | | | 2 .2 | • | 0. | • | 0 | | | | | 114 | | | 6 343 |
| - | 0 | • | | - | • | | | | | | | - | | | | | | 120 | - 1 | - 1 | |
| - | .1 | | 2.4 | - | - | | | | 1 .1 | 0. | 0. | 0 | | | | | | 118 | | - | |
| - | | | | - | • | | | • | | • | | | | | | | | 120 | | - 1 | - |
| - | .2 | | 2.0 | 1.1 | • | 5 .3 | | • | | 0. | | | | | | | | 47 | 6 616 | - | |
| - | .3 | | | • | • | | 1. | | | 0 | | | | | | | | 87 | - 1 | - 1 | - 1 |
| - | .2 | | | • | • | | | • | | 0.0 | - | | | | | | | 16 | | | |
| - | .3 | | 1.5 | • | • | | • | 1 | 0 | | | | | | | | | 73 | | - 1 | 1 |
| - | .2 | 2.0 | | • | • | | • | 0. 0 | 0 | | | | | | | | | 59 | | | |
| - | . 2 | | | • | • | | • | | | | | | | | | | | ** | | _ | - |
| 54 /94 | | | . 7 | .3 | 1. | • | | 0 | | | | | | | | | | 370 | | 0 558 | |
| - | - | 6. | | • | • | 0 | | | | | | | | | | | | 27 | | - | |
| - | | • | * | • | | 0. | - | | | | | | | | | | | 18 | | - | |
| 6 / | 1 | .5 | . 3 | | 0 | | | | | | | | | | | | | 14 | 1 | | |
| 38/ 37 | 0 | | -: | | | | | | | | | | | | | | | 00 | | 60 17 | 13 337 |
| 3 | 0 | • | 7 | 0 | - | | | | | | | | | | | | | | - 1 | | _ |
| Element (X) | | ZX2 | | | X | | × | O'X | J | No. O | Obs. | | | | Mec | Mean No. of | of Hours | with Temperature | rature | | |
| Rel. Hum. | | | | | | | | | | | | 2 0 | . | ≤ 32 F | 267 | 7.5 | ≥73 F | 2 80 | | 2 93 F | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Buib | | | | | | - | | | - | | | | - | | | - | | | | - | |
| - | - | - | | | | - | | | - | | | | | | | | | | | | |

P .

NAVWEASERVCOM

0 0

SANTA ANAS CALIFORNIA

12658 - 7005 NW

555 PSYCHROMETRIC SUMMA JAN 68

| | Dew Point | 212 | 148 | 118 | 104 | 20 | 53 | 19 | 35 | 22 | 16 | 12 | 7 | ~ ~ | 3 2 | v ~ | 14604 | | | | | | | | | | Total | 8760.0 | 760.0 | |
|-------------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|------|--------|-------|---|---|---|---|---|----|---|------------------------------------|-----------|-----------------|----------|---|
| TOTAL | Vet Bulb | 34 | 16 | • | 1 | | | | 1 | | | | | | | | | 4604 | | | | | | | | 1 | | | | 1 |
| | ry Bulb V | 80 | 9 | | 1 | | 1 | | 1 | | 1 | | + | | 1 | | 14604 | - | | 1 | | | | 1 | | 1. | ≥ 93 ₽ | 14.4 | | |
| TOTAL | D.B./W.B. Dry Bulb Wet Bulb Dew Point | æ | 9 | | | | 1 | | 1 | | | | + | | 1 | | - | 14604 | | 1 | | | | 1 | | Mean No. of Hours with Temperature | ≥80 ₽ | 356.0 | | |
| | 231 D | | 1 | | 1 | | 1 | | 1 | | | | + | | + | | : | • | | | | 1 | | + | | urs with | 3.5 | | 8.0 | 1 |
| | | | 1 | | 1 | | 1 | | 1 | _ | | | + | | + | | 7. | - | | 1 | - | - | + | - | + | of Ho | 273 F | 123 | * | |
| | 28 29 | | - | | 1 | | + | | + | | - | _ | + | | + | | 7. | _ | + | + | | + | + | + | + | No. | ≥ 67 F | 3.62648.51232.7 | 89.8 | |
| | . 22 9 | | 1 | | - | | 1 | | 1 | | - | | + | | + | | 6 | _ | - | - | | - | - | +- | - | ¥ | | 6264 | 8 61 | 1 |
| | 1 25 . 2 | | | | | | | | 1 | | | | | | 1 | | • | | | | | 1 | | | | | ≥ 32 F | 3 | 13.8 | - |
| | 23 - 24 | | | | | | | | | | | | | | | | .3 | | | | | | | | | | H | | | + |
| | 1 - 22 | | | | | | 1 | | | | | | | | | | .7 | | | | | | | | | | 10 F | | | |
| N (F) | - 20 2 | | | | 1 | | 1 | | 1 | | | | + | | 1 | | 6. | | 1 | | | | | 1 | | 1 | | | | - |
| WET BULB TEMPERATURE DEPRESSION (F) | - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | | | | 1 | | 1 | | 1 | | 1 | | + | | + | | 1.2 | - | - | 1 | | + | + | + | - | No. Obs. | 14604 | 14604 | 14604 | |
| JRE DE | 16 17 | _ | - | | 1 | | + | | + | | - | | + | | + | | 2.0 1 | | + | - | | - | - | + | + | Ž | - | | • | |
| PERATI | 4 15 - | | 1 | | - | | - | | - | | - | | 1 | | + | | | _ | - | - | | - | - | - | - | d'x | 8.145 | 0.126 | 8.014 | |
| JLB TEN | 13 - 1 | | | | | | | | | | | | 1 | | 1 | | 2.6 | | | | | 1 | | | | 6 | 18. | 10. | 8 | 1 |
| WET BL | 11 - 12 | | | | | | | | | | | | 1 | | 1 | | 4.7 | | | | | | | | | × | 72.4 | . 3 | 55.8 | |
| | 9 - 10 | | | | | | | | 1 | | | | 1 | | T | | 4.6 | | | | | | | | | 1 | + | - | - | + |
| | 80 | | 1 | | 1 | _ | 1 | | 1 | | | | 1 | | 1 | | 7:1 | | 1 | 1 | | T | | | 1 | | 7090 | 898730 | 5575 | |
| | .6 7 | | + | _ | 1 | | 1 | | + | | | | + | | + | - | .211 | | + | 1 | | + | + | + | + | XX | 105 | 89 | 81. | |
| | 4 5 | 0 | 0 | | - | | + | | + | | - | _ | + | | + | | .314. | | + | + | | + | + | + | - | + | 80 | 0 | 6 | |
| | 3. | 0 | | | 1 | | 1 | | - | | | | 1 | | 1 | | . 624. | | - | | | - | - | - | - | 1 | 81324158 | 0543 | 8453 | |
| | 1.2 | | • | | | | | | | | | | | | | | 325. | | | | | | | | | 2x2 | 813 | 56805430 | 494 | |
| | 0 | 0. | | | | | | | | | | | | | | | 2.3 | | | | | | | | | | | | | - |
| - | | 33 | 31 | 53 | 27 | 52 | 23 | 57 | 61 | 1 | 15 | 13 | = | 01 | | n en | | - | | 1 | | 1 | 1 | 1 | | 8 | E. | qlp | olb | 1 |
| Temp | (F) | 34/ | 32/ | 30/ | 28/ | 197 | 747 | 22/ | 50/ | 18 | 16/ | 141 | 12/ | 20 | 1 | 3 | TOTAL | | | | | | | | | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb | |

0

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

| 93114 | SAR | SANTA ANAS CALIFO | CALI | FORNIA | | | 13- | -77 | | | | | | |
|--------------|-----------|-------------------|-------|--------------|--------|---------|-------|-------|-------|-------|-------|-------|-------|--------|
| STATION | 1 | | 15 | STATION NAME | | | | | | YEARS | | | 1 | |
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 47.8 | 4.64 | 6.64 | - | | | 4 | 3 | * | 58.8 | | 6 | |
| 10 | S. D. | 6.307 | | 4.38 | 3.706 | | 4 | 3.068 | | 0 | 60. | .86 | 0 | 69. |
| | TOTAL OBS | 155 | 1 | | - 1 | - | 150 | | | | - | - | | 1825 |
| | | | | | | | | | | | | | | |
| | MEAN | 46.0 | 47.4 | | | | | | | | | | 7.7 | ; |
| 40 | S. D. | 5.999 | 5.355 | 5.175 | 4.316 | 3.946 | 2.714 | 3.122 | 3.486 | 4.255 | | 6.122 | 6.305 | 6.113 |
| | TOTAL OBS | 155 | 1 | 15 | 13 | 15 | 15 | 15 | - | 3 | 2 | - | - | 82 |
| | | | | | 1 | 1 | | | 1 | 1. | | 1 | 1. | 1 |
| | WEAN | 45.3 | | 48.7 | 52.9 | 58.3 | | 62.0 | 0 | | 7 | - | - | |
| 0.1 | S. D. | 7.170 | 'n | 4 | | ~ | 3.145 | m | | 3.555 | | | • | 8.920 |
| | TOTAL OBS | 155 | | 15 | 150 | 15 | - | 15 | - | ~ | 0 | - | | 8 |
| | MEAN | 24.0 | | 0 | | u | | 1 | 1 | 6 | 0 | | 0 | 1 |
| : | 0.5 | 100 | 27.1 | 4 6 6 | 4000 | 4 4 4 4 | 40.0 | 100 | 000 | | 4 424 | | 1 | 200 |
| 20 | 10741 086 | 1.00. | | | | | | | | : | 2 - | | | |
| | 10.00 | 155 | 161 | ~ | ~ | ~ | ~ | 2 | ~ | 2 | | 2 | 12 | |
| | MEAN | 6.50 | | 43 | - | 68 | | 78. | • | 00 | 75. | 2 | 47. | 71.6 |
| 13 | 5.0. | 8 | 000 | 6.37 | 4 . 79 | 5.22 | 40.4 | | - | *** | 6.91 | | 40.4 | 8.442 |
| : | TOTAL OBS | 155 | | • | 150 | • | 150 | | | | | | • | 1826 |
| | | | | | | | | | | | | | | |
| | MEAN | 63.4 | 4.49 | 62. | 3 | - | 3. | | .0 | .6 | 72.4 | .89 | | |
| 16 | S. D. | 7.769 | 6.318 | 8.419 | 5.962 | | 6.488 | 4.500 | 3.661 | 2.939 | | ~ | 6.127 | 7.973 |
| | TOTAL OBS | 155 | 141 | 15 | 13 | - | 15 | ? | 2 | 2 | 15 | 15 | ~ | |
| | MEAN | 84.0 | 9 | 86. | 00 | - | 1 | 0 | 0 | 20 | | 6 | | 1 |
| 19 | S, D. | 6.145 | 3.691 | 3.83 | 4.196 | 0 | 5.264 | | | 0 | 3.98 | 5.72 | 4.88 | 9 |
| | TOTAL 085 | 155 | | 1 | | - | - | | | 150 | | | | - |
| | | | | | | | | | | | | | | |
| | MEAN | 50.2 | | 52.0 | 54.6 | 58.6 | | 66.2 | 10 | 65.8 | \$.09 | • | 51.3 | 97.9 |
| 22 | S. D. | 5.908 | | m | 2 | ~ | m. | 5.9 | - | - | 0 | œ . | 3.3 | ~ |
| | TOTAL OBS | 155 | | 15 | 7 | 15 | - | 15 | 2 | * | 2 | 5 | 15 | - |
| | | | | | | | | - { | | 1 | | 1 | 1 | |
| ALL | MEAN | 53.7 | 55.3 | 55.1 | 58.1 | 61.7 | 60.99 | - | 69.5 | 69.5 | 8.40 | - | 55.1 | 61.5 |
| HOURS | s. 0. | 9.881 | | - | - | 6.2 | 7.519 | ė | 6.6 | ü | 8.603 | 0 | • | 10.127 |
| | TOTAL OBS | 1240 | | 7 | 7 | 123 | 1200 | 7 | 124 | 19 | 1240 | 7 | 124 | 16604 |

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

SANTA ANA, CALIFORNIA

93114

| STATION | | | | | | | | | | | | | | |
|--------------|----------------------------|-----------------------|--------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|------------------------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 10 | S. D. TOTAL OBS | 5.610 | 46.5 | 4.505 | 3.674 | 3.613 | 57.9 2.658 150 | 61.6 2.620 155 | 61.1 3.396 155 | 3.988 | 56.0 | 49.2 5.131 150 | 5.490 | 52.8 7.669 1825 |
| * | S. D. TOTAL OBS | 42.8 5.695 155 | 5.340 | 45.7 5.151 | 48.0 | 53.3 3.856 | 57.3 2.660 150 | 2.677 | 3.182 | 4.169 | 5.989 | 5.699 | 44.5 6.087 | 51.8 8.217 1825 |
| 0.0 | MEAN S. F. TOTAL OBS | 42.0 6.279 | 5.368 | 45.8 5.061 | 3.579 | 55.0 2.919 155 | 59.3 2.286 150 | 62.5 2.482 155 | 62.2 2.758 155 | 61.5 3.502 150 | 55.5 5.586 155 | 5.865 | 43.6 6.322 155 | 52.4 6.798 1826 |
| 10 | S. D. TOTAL OBS | 49.5 | 52.2 3.067 | 52.2 3.712 | 3.349 | 58.3 3.227 155 | 63.1 3.375 150 | 2.624 | 2.606 | 3.042 | 61.6 3.521 155 | 4.337 | 51.9 4.403 155 | 58.2 6.951 1826 |
| 13 | AEAN S. D. TOTAL OBS | 53.6 5.133 3 | 55.4 3 3.863 4 141 | 54.1 4.337 155 | 3.968 | 3.408 | 3.402 | 2.706 | 67.9 2.644 155 | 67.3 2.951 150 | 64.0 | 59.1 5.023 150 | 55.9 4.403 155 | 60.6 |
| 16 | S. D. TOTAL OBS | 53.1 5.006 155 | 3.404 | 53.4 4.004 155 | 3.778 | 3.245 | 3.275 | 67.1 2.630 155 | 67.3 2.582 155 | 3.110 | 3.929 | 58.2 4.965 150 | 55.3 4.115 155 | 59.8 6.424 1826 |
| 19 | S. D. TOTAL OBS | 49.6 | 3.146 | 51.4 3.332 155 | 53.1 2.959 150 | 2.590 | 61.2 2.998 150 | 64.2 2.152 155 | 2.552 | 63.8 2.607 150 | 3.895 | 4.884 | 50.9 4.737 | 56.8 6.423 1826 |
| 22 | MEAN S. D. TOTAL OBS | 46.3 5.019 | 48.6 | 3.720 | 3.313 | 55.2 2.810 154 | 59.5 2.535 150 | 62.8 2.306 155 | 62.7 2.741 155 | 3.453 | 57.2 4.738 159 | \$0.5 4.889 | 47.6 5.390 155 | 7.228 |
| ALL | S. D. TOTAL OBS | 47.6 6.738 1240 | 5.907 | 49.8 5.333 | 52.2 4.771 1200 | 3.936 | 3.928 | 3.555 | 3.830 | 4.141 | 5.739 | 52.7 6.801 1200 | 49.5 6.811 1240 | 89.8 8.014 14604 |

0

0

0

0

0

0 0

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

| STATION | 1 | | 1 40 | TATION NAME | | | | | | YEARS | | | 1 | |
|--------------|-----------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 39.6 | | 4 | 3 | - | | 0 | 6 | 6 | | 45.6 | 2 | 50.1 |
| 10 | S. D. | 8.434 | 7.482 | 6.330 | 5.035 | 4.371 | 3.116 | 2.730 | 3.470 | 5.282 | | 7.196 | 8.279 | 9.392 |
| | TOTAL OBS | 155 | 141 | 155 | 150 | - | 121 | 155 | 2 | 3 | 0 | 2 | 155 | 182 |
| | MEAN | 38.7 | 41.6 | 2 | 3 | - | | 0 | 6 | 6 | 2 | * | | |
| 50 | S. D. | 8.113 | | 7.027 | 5.320 | 45 | 5 | 2.757 | 27 | 5.033 | 7.584 | 7.988 | 8.727 | 9.87 |
| | TOTAL OBS | 155 | | 7 | - | - | - | 7 | 7 | 7 | - | - | 2 | 2 |
| | MEAN | 37.5 | 61.3 | 1 | 9 | 1 | | 6 | 6 | 0 | 1 | | | 6 |
| 20 | S. D. | 8.594 | 7.659 | 7.687 | 5.319 | 3.875 | 2.682 | 2.810 | 2.983 | 4.445 | 7.263 | 8.052 | 8.918 | 10.435 |
| , | TOTAL OBS | 155 | | 7 | 7 | 155 | | 7 | - | 7 | - | - | 7 | = |
| | MEAN | 41.8 | 45.7 | 45.6 | - | 100 | 1 | 0 | - | 1 | 5 | | 44.8 | 2 |
| 10 | S. D. | 9.567 | 7.948 | 7.724 | 5.732 | 1 10 | 3.319 | 2.668 | 3.029 | 5.025 | 7.511 | 8.568 | 8.644 | 9.634 |
| : | TOTAL OBS | 155 | | 155 | 7 | - | | | | - | - | 7 | 155 | = |
| | MEAN | 47.8 | 46.2 | 100 | 80 | (1) | a | | 0 | - | 9 | 00 | 9 | |
| 13 | S. D. | 9.183 | 8.694 | 8.106 | 7.005 | 0 | 3.519 | | | 4.817 | 8.511 | 9.863 | | |
| : | TOTAL OBS | 155 | 141 | | | 155 | | | 155 | 150 | 1 | 1 | 155 | 1826 |
| | MEAN | 43.7 | 6.69 | 5 | 7 | 6 | 00 | - | 2 | - | 5 | | 7 | 2 |
| 16 | S. D. | 8.428 | 7.77 | 7.972 | 7.058 | 4.267 | 3.383 | 3.282 | 3.485 | 5.245 | 7.627 | 8.845 | 8.301 | 9.344 |
| | TOTAL OBS | 155 | 141 | - | - | - | 7 | 7 | 7 | 7 | 13 | = | 7 | = |
| | MEAN | 44.3 | 47.9 | - 0 | 00 | 3 | 1. | - | 1 | | 56. | 9.8 | | N |
| 19 | S. D. | 7.667 | | 5.540 | 5.405 | 3.547 | 2.962 | 2.407 | 2.914 | 4.583 | 6.439 | 7.995 | 8.325 | 8.35 |
| | TOTAL OBS | 155 | 7 | | | 15 | 7 | 5 | 2 | - | 13 | 2 | 2 | 9 |
| | MEAN | 42.0 | 45.3 | 1 | 7 | 2 | 57.3 | 1. | | | | 3 | | - |
| 22 | S. D. | 7.574 | 6.742 | 6.395 | 4.849 | | 3.040 | 2.577 | | 4.586 | 00. | .8. | C | 0.03 |
| | TOTAL OBS | 155 | | | | 1 | 150 | 15 | 155 | - | - | 150 | | 185 |
| - | MEAN | 41.3 | 44.7 | 44.7 | 1- | 2 | 57.4 | 9 | 1: | 4 | 6. | .04 | | 51.3 |
| HOURS | S. D. | 9.620 | - | 7.256 | 5.832 | 4.121 | 3.290 | 2.964 | 3.324 | 4.945 | 7.399 | 0.610 | 0.000 | 9.619 |
| | TOTAL OBS | 1240 | 1128 | | ~ | 23 | 1200 | _ | 2 | 2 | 24 | 120 | N | 1460 |

Ogo

RELATIVE HUMIDITY

0

93114 SANTA ANA, CALIFORNIA

0

0

0

0

73-77

PERIO

.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| NO OF | OBS | 159 | 155 | 159 | 155 | 155 | 155 | 155 | 155 | 1260 |
|--|----------|-------|-------|-------|------|-------|--------|-------|-------|---|
| MEAN | HUMIDITY | 76.5 | 78.0 | 77.2 | 60.5 | 48.5 | 52.3 | 70.7 | 10.4 | 19.50 |
| | %0% | 24.5 | 22.6 | 23.2 | 6.9 | 1.3 | 3.2 | 8.4 | 17.4 | 195 |
| | 80% | 52.9 | 52.3 | 54.8 | 1001 | 7.7 | 6.1 | 32.3 | 51.6 | 36.7 |
| ATER THAN | 70% | 74.2 | 78.1 | 74.2 | 31.0 | 13.5 | 14.8 | 61.9 | 73.5 | 1.03 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 82.6 | 85.2 | 84.5 | 52.9 | 26,5 | 31.0 | 72.9 | 81.9 | 1 |
| OF RELATIVE | %05 | 69.0 | 92.9 | 6006 | 71.0 | 44.5 | 54.2 | 85.8 | 0.16 | 17.5 |
| SE FREQUENCY | 40% | 92.9 | 94.2 | 93.5 | 81.3 | 61.0 | 1.69 | 91.6 | 2.,2 | 6 78 |
| PERCENTAC | 30% | 94.8 | 98.1 | 95.5 | 91.0 | 90.0 | 87.1 | 1.96 | 95.5 | 07.4 02.3 84.9 77.3 44.7 42.7 34.7 13.4 |
| | 20% | 7.86 | 100.0 | 98.7 | 97.4 | 91.0 | 99.96 | 98.1 | 99.4 | |
| | 10% | 100.0 | 100.0 | 100.0 | 4.66 | 100.0 | \$6.66 | 100.0 | 100.0 | 8 |
| HOURS | (LS.T.) | 10 | 40 | 07 | 01 | 13 | 16 | 19 | 22 | ALS |
| MONTH | | JAN | | | | | | | | TOTALS |

0

RELATIVE HUMIDITY

93114 SANTA ANAS CALIFORNIA STATION NAME

0 40

73-77

1

HOMIN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| NOOF | OBS. | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | | 1128 |
|--|----------|-------|-------|-------|-------|-------|-------|-------|-------|--|--------|
| MEAN | HUMIDITY | 1119 | 82.4 | 82.2 | 65.2 | \$3.5 | 57.2 | 74.2 | 80.0 | | 72.0 |
| | %06 | 36.9 | 39.0 | 41.8 | 6.6 | 1.4 | 5.7 | 12,1 | 26.2 | | 21.6 |
| | %08 | 60.3 | 1.99 | 1.99 | 25.5 | 11.3 | 14.9 | 41.8 | 57.4 | | 43.1 |
| ATER THAN | %02 | 78.0 | 84.4 | 63.0 | 47.5 | 24.8 | 24.1 | 72.3 | 19.4 | | 61.7 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 87.9 | 92.2 | 88.7 | 63.8 | 39.0 | 46.8 | 82.3 | 99.4 | | 73.8 |
| OF RELATIVE | 20% | 95.0 | 95.0 | 94.3 | 75.2 | 56.7 | 62.4 | 8006 | 93.6 | | 87.9 |
| SE FREQUENCY | 40% | 97.2 | 96.5 | 6.16 | 85,8 | 4.07 | 75.9 | 95.0 | 97.2 | | 89.6 |
| PERCENTA | 30% | 98.6 | 97.9 | 99.3 | 92.2 | 90.9 | 88.7 | 97.2 | 98.6 | | 94.2 |
| | 20% | 99.3 | 98.6 | 99.3 | 97.2 | 93.6 | 97.2 | 66.66 | 99.3 | | 0.86 |
| | 10% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | 100.0 |
| HOURS | (LS.T.) | 10 | 50 | 07 | 10 | 13 | 91 | 19 | 22 | | ALS |
| HINOM | | 8 | | | | | | | | | TOTALS |

RETARDS OF GRACIANTS SHIT WE GRIVING

OFO

RELATIVE HUMIDITY

SANTA ANA, CALIFORNIA 93114 STATION

0

0

O

0

0

0

0 40

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | OF RELATIVE | HUMIDITY GRE | ATER THAN | | | MEAN | TOTAL |
|-------|----------|-------|-------|----------|--|-------------|--------------|-----------|------|-------|----------|-------|
| MONIH | (L.S.T.) | %01 | 20% | 30% | 40% | 20% | %09 | 70% | 80% | %06 | HUMIDITY | OBS. |
| MAR | 10 | 100.0 | 99.4 | 4.66 | 4.66 | 98.1 | 65.6 | 84.5 | 56.8 | 23.52 | 81.3 | 155 |
| | 40 | 100.0 | 100.0 | 98.7 | 4.76 | 96.1 | 6.26 | 86.3 | 63.2 | 31.6 | 82,3 | 155 |
| | 07 | 100.0 | 4.66 | 98.1 | 8.96 | 96.8 | 93.5 | 4.88 | 58.7 | 27.1 | 81.4 | 155 |
| | 10 | 4.66 | 7.86 | 95.5 | 89.0 | 78.7 | 58.7 | 38.7 | 16.8 | 3.6 | 63.4 | 155 |
| | 13 | 100.0 | 97.4 | 87.7 | 78.7 | 65.2 | 36.8 | 13.5 | 5.8 | 2.6 | 54.5 | 155 |
| | 10 | 100.0 | 96.1 | 6.06 | 85.2 | 70.3 | 47.1 | 10.1 | 3.9 | | 56.4 | 155 |
| | 19 | 100.0 | 100.0 | 7.86 | 98.1 | 92.3 | 80.0 | 58.7 | 20.0 | 3.2 | 10.8 | 155 |
| | 22 | 4.66 | 99.4 | 4.66 | 98.1 | 95.5 | 92.9 | 77.4 | 45.8 | 10.3 | 77.9 | 159 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 101 | TOTALS | 6.66 | 98.8 | 96.0 | 92.8 | 86.6 | 74.4 | 58.0 | 33.9 | 12.6 | 71.0 | 1240 |
| | | | | | | | | | | | | |

0.0

O E O

0

0

. 0

O

0

0

RELATIVE HUMIDITY

SANTA ANA! CALIFORNIA 93114

0 40

73-77

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL | OBS. | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 1200 |
|--|----------|-------|-------------|-------|-------|-------|-------|-------|-------|---------------------|
| MEAN | HUMIDITY | 91.4 | 83,7 | 19.6 | 58.6 | 52.4 | 54.4 | 69.2 | 78.5 | 6.3 69.7 |
| | %06 | 17.3 | 24.7 | 13.3 | | | | 4.0 | 0.0 | 6.3 |
| | 80% | 58.7 | 1.49 | 46.7 | 6.7 | | 4.7 | 17.3 | 0.44 | 30.4 |
| ATER THAN | 20% | 0.88 | 1.46 | 88.7 | 14.7 | 6.7 | 10.0 | 54.7 | 1.08 | 55.5 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 0.96 | 97.3 | 95,3 | 50.0 | 25.3 | 36.0 | 80.0 | 95.3 | 93.2 86.4 71.9 55.5 |
| OF RELATIVE | 20% | 98.7 | 7.86 | 7.96 | 78.0 | 64.7 | 67.3 | 90.0 | 97.3 | 86.4 |
| SE FREQUENCY | 40% | 99.3 | 7.86 | 97,3 | 69,3 | 82.0 | 88.3 | 95.3 | 7.86 | 93.2 |
| PERCENTA | 30% | 66.3 | 66.3 | 98.7 | 95.3 | 0.06 | 7.06 | 97.3 | 6.66 | 98.7 96.2 |
| | 20% | 100.0 | 100.0 | 99.3 | 7.86 | 7.96 | 7.96 | 7.96 | 99.3 | 98.7 |
| | 10% | 100.0 | 100.0 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| HOURS | (LS.T.) | 10 | 40 | 7.0 | 10 | 13 | 16 | 19 | 22 | TOTALS |
| HINON | | чЬь | | | | | | | | 101 |

RELATIVE HUMIDITY

SANTA ANA, CALIFORNIA 93114 STATION

O

O

0

O

0

0

0

0

0

0

1

0

0

90

73-77

PERIOD

MAY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 30% |
|-------------------------------------|
| 100.0 100.0 100.0 100.0 |
| 100.0 100.0 100.0 100.0 100.0 100.0 |
| 100.0 100.0 100.0 100.0 100.0 |
| 100.0 100.0 100.0 |
| 100.0 100.0 98.7 |
| 100.0 100.0 98.7 |
| 100.0 100.0 100.0 100.0 |
| 100.0 100.0 100.0 100.0 100.0 |
| |
| |
| 100.0 100.0 99.7 |

RELATIVE HUMIDITY

93114 SANTA ANAL CALIFORNIA

000

73-77

14

ao

3

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| - | 20% ADS |
|------------|---|
| - | - |
| 0.001 0.0 | 100.0 100.0 100.0 100.0 |
| 0.00 100.0 | 100.0 100.0 100.0 |
| 0.001 0.0 | 100.0 100.0 100.0 |
| 7.86 0.0 | 100.0 100.0 98.7 |
| 0.86 0.0 | 100.0 100.0 98.0 |
| 0.0 | 100.0 100.0 98.7 |
| 0.001 0.0 | 100.0 100.0 100.0 |
| 0.001 0.0 | 100.0 100.0 100.0 |
| | |
| | |
| 000 | 0 |

BROR

OF

RELATIVE HUMIDITY

93114 SANTA ANA, CALIFORNIA

73-77

go

2

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

= 0

RELATIVE HUMIDITY

SANTA ANAL CALIFORNIA 93114 STATION

0

0

73-77

-

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL | 0.00 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 1240 |
|--|----------|------------------------------|-------------------------------------|------------------------------|------------------|------------|-------------------|-------------|-------------------------|----------------|
| MEAN | HUMIDITY | 67.0 | 87.8 | 85.9 | 66,7 | 58,5 | 1.19 | 76.2 | 9.48 | 76.0 |
| | 808 | 19.4 | 24.5 | 20.0 | 1,3 | 9. | 9. | 1.3 | 14.8 | 10.3 76.0 |
| | 80% | 8006 | 6.26 | 84.5 | 7.1 | • | 9.0 | 34.8 | 80.6 | 49.3 |
| ATER THAN | 70% | 7.86 | 100.0 | 98.1 | 32.9 | 6.5 | 14.8 | 83.9 | 7.86 | 66.7 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | 9099 | 100.0 | 0.001 0.001 0.001 0.001 0.001 0.001 | 100.0 | 74.2 | 34.8 | 45.2 | 8.96 | 4.66 | 97.0 81.3 66.7 |
| OF RELATIVE | 50% | 00.0 100.0 100.0 100.0 100.0 | 100.0 | 0.00 100.0 100.0 100.0 100.0 | 91.6 | 87.1 | 92.3 | 4.66 | 100.0 | |
| GE FREQUENCY | 40% | 100.0 | 100.0 | 100.0 | 100.0 | 4.66 | 98.1 | 100.0 | 100.0 | 7.66 |
| PERCENTA | 30% | 100.0 | 100.0 | 100.0 | 0.001 0.001 0.00 | 0.001 0.00 | 100.0 | 100.0 100.0 | 00.00 100.0 100.0 100.0 | 00.00 100.0 |
| | 20% | 100.0 | 100.0 | 100.0 | 100.0 | | 0.001 0.001 0.001 | 0.00 | | 100.0 |
| | 10% | 100.001 | 100.0 | 100.001 | 100.001 | 100.0 | 100.0 | 100.001 | 100.001 | 100.0 |
| HOURS | (LS.T.) | 01 | 40 | 07 | 10 | 13 | 16 | 19 | 22 | TOTALS |
| NOW THE | | AUG | | | | | | | | Į D |

O

0

0

RELATIVE HUMIDITY

93114 SANTA ANA, CALIFORNIA

73-77

00183

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TACA | HOURS | | | PERCENTA | GE FREQUENCY | OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN | | | MEAN | TOTAL |
|------------------------------|---------|-------|-------------|-------------|--------------|-------------|--|-----------|-------|------|----------|-------|
| THE PERSON NAMED IN COLUMN 1 | (LS.T.) | 10% | 20% | 30% | 40% | \$0% | %09 | 70% | 80% | %06 | HUMIDITY | 088. |
| SEP | 01 | 100.0 | 100.0 100.0 | 7.86 | 98.0 | 98.0 | 97.3 | 9.46 | 85.2 | 23.5 | 95.2 | 149 |
| | 40 | 100.0 | | 0.001 0.001 | 99.3 | 98.7 | 98.0 | 95.3 | 90.06 | 26.8 | 86.7 | 149 |
| | 07 | 0.001 | 100.0 | 0.001 0.001 | 99,3 | 98.0 | 97.3 | 0.46 | 81.3 | 24.0 | 85.0 | 150 |
| | 10 | 100.0 | 97.3 | 0.96 | 7.96 | 91.3 | 77.3 | 47.3 | 17.3 | 2.0 | 67.6 | 150 |
| | 13 | 100.0 | 0.86 | 0.06 | 92.7 | 84.7 | 46.7 | 11.3 | 4.0 | | 58.8 | 150 |
| | 91 | 99.3 | 9.8 | 1.96 | 95,3 | 0.88 | 0.99 | 54.0 | 6.0 | | 62.8 | 150 |
| | 16 | 100.0 | 98.7 | 98.0 | 96.0 | 47 | 93.3 | 84.7 | 49.3 | 0.0 | 76.9 | 150 |
| | 22 | 100.0 | 100.0 | 99.3 | 0.86 | 98.0 | 9996 | 91.9 | 80.5 | 19.5 | 83.5 | 149 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 2 | IALS | 6.66 | 0.66 | 98.1 | 1.96 | 93.9 | 84.1 | 67.9 | 51.8 | 12.9 | 75.8 | 1197 |

RELATIVE HUMIDITY

SANTA ANAS CALIFORNIA 93114 STATION

0

0

0

0

20

73-77

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| (LS.T.) | | | PERCENTA | SE FREQUENCY | OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN | | | MEAN | TOTAL |
|---------|-------|-------------|----------|--------------|-------------|--|-----------|------|------|----------|-------|
| | 10% | 20% | 30% | 40% | 50% | %09 | 20% | %08 | %06 | HUMIDITY | OBS. |
| 01 10 | 0.0 | 100.0 100.0 | 4.66 | 98.7 | 8.46 | 93.5 | 89.0 | 81.3 | 29.7 | 4.48 | 155 |
| 04 10 | 0.0 | 100.0 100.0 | 4.66 | 4.66 | 96.8 | 94.2 | 91.0 | 79.4 | 31.0 | 85.0 | 155 |
| 07 10 | 0.0 | 100.0 100.0 | 4.66 | 98.1 | 8.96 | 93.5 | 1.68 | 73.5 | 28.4 | 83.8 | 155 |
| 10 10 | 100.0 | 96.8 | 91.0 | 7.78 | 86.5 | 71.0 | 0.04 | 14.8 | 3.9 | \$4.4 | 155 |
| 13 9 | 4.66 | 93.5 | 85.8 | 82.6 | 73.5 | 45.8 | 12.9 | 1.9 | | 54.8 | 155 |
| 16 10 | 100.0 | 8.46 | 89.0 | 85,2 | 80.0 | 6119 | 21.3 | 3.9 | • | 59.8 | 155 |
| 19 10 | 100.0 | 4.66 | 7.86 | 96.1 | 90.3 | 88.4 | 78.1 | 54.8 | 7.7 | 76.5 | 155 |
| 22 10 | 100.0 | 100.0 | 100.0 | 4.66 | 96.8 | 93.5 | 86.5 | 72.9 | 21.3 | 82.9 | 155 |
| | | | | | | | | | | | |
| | | | 3. | | | | | | | | |
| | | | | | | | | | | | |
| • | 0.00 | 0.80 | 45.3 | 93.4 | 4.08 | 80.2 | 43.6 | 47.8 | 15.3 | 73.0 | 1260 |

0

Q

Q

0

4

0

3

PHINTED BY CHANDARD NEGRETAR

0

0

RELATIVE HUMIDITY

SANTA ANA, CALIFORNIA 93114

73-77

NON.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| NOTAL | OBS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | | 1200 |
|--|----------|-------|-------|-------|------|-------|-------|-------|-------|--|--------|
| MEAN | HUMIDITY | 79.2 | 80.3 | 19.8 | 59,5 | 47.2 | 55.0 | 73.2 | 77.0 | | 68.9 |
| | %06 | 24.0 | 29,3 | 30.0 | 7,3 | | 1. | 10.0 | 24.0 | | 13.7 |
| | 80% | 56.7 | 58.7 | 58.7 | 18.7 | | 4.0 | 45.3 | 54.7 | | 37.2 |
| ATER THAN | 70% | 7.08 | 78.7 | 16.0 | 33.3 | 9.0 | 18.0 | 63.3 | 73.3 | | 53.7 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 87.3 | 7.06 | 87.3 | 20.0 | 23.3 | 44.7 | 60.09 | 82.7 | | 68.3 |
| OF RELATIVE | 20% | 92.0 | 93.3 | 7.76 | 64.7 | 52.7 | 0.49 | 90.0 | 88.7 | | 80.08 |
| SE FREQUENCY | 40% | 7.46 | 97.3 | 97.3 | 17.3 | 67.3 | 77.3 | 93,3 | 93,3 | | 87.2 |
| PERCENTAC | 30% | 0.86 | 7.86 | 98.7 | 88.7 | 19.3 | 88.0 | 1.96 | 97.3 | | 93.2 |
| | 20% | 100.0 | 7.86 | 98.7 | 97.3 | 86.7 | 94.0 | 98.7 | 7.86 | | 96.6 |
| | 10% | 100.0 | 100.0 | 100.0 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | | 6.99 |
| HOURS | (LS.T.) | 10 | 40 | 07 | 10 | 13 | 16 | 19 | 22 | | ALS |
| HINOM | | NOV | | | | | | | | | TOTALS |

O E

RELATIVE HUMIDITY

93114 SANTA ANA, CALIFORNIA

0 40

73-77

PERIOD

-

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL | 088. | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 1240 |
|--|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | HUMIDITY | 79.0 | 19.6 | 79.1 | 62.7 | 51.3 | 57.3 | 74.6 | 77.5 | 70.1 |
| | %06 | 34.2 | 31.6 | 34.8 | 0.6 | 2.6 | 1.3 | 13.5 | 8.65 | 19.1 |
| | 80% | 0.09 | 62.6 | 57.4 | 18.7 | 5.2 | 4.1 | 47.7 | 58.1 | 39.9 |
| ATER THAN | 70% | 1.91 | 78.7 | 77.4 | 42.6 | 14.2 | 29.7 | 72.3 | 74.8 | 58.2 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 83.2 | 85.8 | 86.5 | 56.8 | 35.5 | 49.7 | 90.08 | 83.2 | 70.2 |
| OF RELATIVE | \$0% | 91.0 | 92.9 | 91.6 | 70.3 | 0.09 | 66.5 | 87.7 | 4.88 | 1.16 |
| SE FREQUENCY | 40% | 92.9 | 8.46 | 2.46 | 61.9 | 1.69 | 78.1 | 92,3 | 91.0 | 86.9 |
| PERCENTA | 30% | 96.1 | 96.8 | 8.96 | 91.6 | 81.3 | 87.7 | 95.5 | 95.5 | 92.7 |
| | 20% | 99.4 | 98.7 | 39.4 | 98.1 | 93.5 | 96.1 | 5.66 | 7.66 | 98.0 |
| | 10% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 190.0 |
| HOURS | (LS.T.) | 10 | 40 | 07 | 10 | 13 | 16 | 61 | 22 | TOTALS |
| MONTH | | 250 | | | | | | | | 101 |

0

0

J O E

RELATIVE HUMIDITY

93114 SANTA ANAL CALIFORNIA

8

4

73-77

PERIOD

90

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | PERCENTA | GE FREQUENCY | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | HUMIDITY GRE | ATER THAN | | | MEAN | TOTAL |
|-------|---------|-------------|-------------|----------|--------------|--|--------------|-----------|------|------|----------|-------|
| MONIA | (LS.T.) | 10% | 20% | 30% | 40% | 20% | %09 | 70% | 80% | %06 | HUMIDITY | 0.00 |
| MAN | ALL | 6.66 | 97.5 | 92.3 | 84.9 | 77.3 | 64.7 | 52.7 | 34.7 | 13.4 | 67.5 | 1240 |
| F E B | | 100.0 | 98.0 | 94.2 | 89.6 | 82.9 | 73.8 | 61.7 | 43.1 | 21.6 | 72.0 | 1128 |
| MAR | | 6.99 | 98.8 | 0.96 | 92.8 | 86.6 | 74.4 | 58.0 | 33.9 | 12.6 | 71.0 | 1240 |
| APR | | 100.0 | 7.86 | 2.96 | 93.2 | 86.4 | 71.9 | \$5.5 | 30.4 | 8.3 | 69.7 | 1200 |
| MAY | | 100.0 100.0 | 100.0 | 7.66 | 6.86 | 95.6 | 81.1 | 61.2 | 35.8 | 9.3 | 74.0 | 1239 |
| NOT | | 100.0 100.0 | 100.0 | 4.66 | 97.2 | 93,3 | 82.5 | 8.29 | 43.8 | 10.5 | 74.8 | 1200 |
| in | | 100.0 100.0 | 100.0 | 8.66 | 99.1 | 0.96 | 80.8 | 63.2 | 45.6 | 8.4 | 74.9 | 1240 |
| AUG | | 100.0 | 100.0 100.0 | 100.0 | 7.66 | 97.0 | 61.3 | 1.99 | 49.3 | 10.3 | 76.0 | 1240 |
| SEP | | 6.99 | 0.66 | 98.1 | 7.96 | 93.9 | 84.1 | 67.9 | 51.6 | 12.9 | 75.8 | 1197 |
| 130 | | 6.99 | 98.1 | 95.3 | 4.66 | 4.68 | 80.2 | 63.6 | 47.8 | 15.3 | 73.9 | 1240 |
| NON | | 6.66 | 96.6 | 93.2 | 87.2 | 80.0 | 68,3 | 53.7 | 37.2 | 15.7 | 689 | 1200 |
| DEC | | 100.0 | 98.0 | 92.7 | 86.9 | 8101 | 70.2 | 58.2 | 39.9 | 19.1 | 70.1 | 1240 |
| 7 | TOTALS | 100.0 | 98.7 | 96.4 | 93,3 | 88.3 | 76.1 | 4.09 | 41.1 | 13.1 | 72.4 | 14604 |

40

7

2

10

0

| Z | |
|---|----|
| 2 | |
| RA | |
| PE | |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | |
| A R | |
| 9 | |
| Š | s. |
| UEN | > |
| EO | |
| E. | |
| GE | |
| ATA | |
| CE | |
| ER | |
| - | |

WIND DIRECTION

JAN 1973-0EC 1977

SANTA ANAS CALIFORNIA

93114

JANUARY

ALL

HOURS (L.S.T.

2.5 213.3 21.5 11.4 1.5 1.5 % OF TOTAL 917 917 961 611 90 93 92 FREG. NN S 22.44.99.90 WSW & 1001100 \$ 5W WIND DIRECTION 14.3 SSE SSE ESE & SE 13.1 14.4 M . 28.6 28.6 16.7 10.9 11.7 15.6 19.4 N N N 3.0 2.8 3.0 . 4.3 3 Z -18 TO-14 -28 10-24 -38 10-34 -48 TO-44 -23 10-19 -33 TO-29 -43 10 - 39 13 70 -9 72 10 76 8 10-4 62 10 66 32 70 36 27 10 31 22 10 26 112 70 116 111 07 701 102 70 106 101 01 76 92 10 96 16 01 78 82 10 86 18 01 77 17 07 78 19 01 78 52 70 56 12 07 74 42 10 46 37 10 41 7 10 21 12 70 16 10 11 3 10 1 17 10 121 10 6 TEMP. 122

NAVWEASERVCOM

1240 100.0

35.1

0.

3 . 4

0.1

6.9

0.

11.8

11.3

3.4

-58 TO -54 -53 10-49

59 & LV/R TOTALS

| TEMPERATURE | |
|----------------------|----|
| - AIR | |
| OF | |
| PERCENTAGE FREQUENCY | 74 |
| | |

| WIND DIRECTION | JAN 1973-DEC 1977 | YEARS |
|----------------|----------------------|--------------|
| WIND | SANTA ANA CALIFORNIA | STATION NAME |
| | ANA | |
| | SANTA | |

93114 STATION

ALL HOURS (L.S.T.)

| NIND DIRECTION NIND DIRECTION | | STATION NAME | STATION NAME | AME | | 1 | | YEARS | | | МОМТН | |
|--|------------|--------------|--------------|-----|-------------|-----------|-------------|------------|-------------|------|----------------|---------------|
| 11 | | | | | | WIND DIRE | CTION | | | | | |
| 11.8 5.9 25.5 5.9 11.8 41.2 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1 | TEMP. | N Z | NN 80 | 8 | 65E & 5E | \$\$ E | SSW & SW | wsw w & | WNW WN & | CALM | TOTAL FREG. | % OF TOTAL |
| 11.6 5.9 25.5 5.9 11.8 41.2 3.4 29.5 3.4 25.8 3.4 13.8 41.2 3.4 13.8 41.2 3.4 29.2 3 | 122+ | | | | | | | | | | | |
| 11.8 25.8 25.5 25.6 | 17 10 121 | | | | | | | | | | | |
| 11.8 5.9 25.5 5.9 11.8 41.2 2.9 8 1.8 1.00.00 13.0 10.8 10.3 3.4 12.8 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 | 112 TO 116 | | | | | | | | | | | |
| 11.6 5.9 23.5 5.9 11.8 410.0 14 15.8 13.8 10.0 3.4 13.8 10.3 3.4 13.8 10.3 3.4 13.8 10.3 3.4 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 | 111 07 70 | | | | | | | | | | | |
| 11.8 5.9 25.5 5.9 11.8 40.0 10.8 13.8 41.2 25.5 2.9 11.8 41.2 2.9 2.9 2.0 3.0 2.0 1.0 0.0 0.0 1.0 0.0 0.0 1.0 0.0 0.0 1.0 0.0 0 | 02 TO 106 | | | | | | | | | | | |
| 11.8 5.9 25.5 5.9 11.8 41.2 3.4 25.5 3.6 25.1 3.6 41.2 3.6 10.3 3.4 13.8 41.2 3.6 25.1 3.6 25 | 101 OT 7 | | | | | | | | | | | |
| 11.8 | 2 10 96 | | | | | | | | | | | |
| 11.6 5.9 25.5 5.9 11.8 41.2 1 | 17 10 91 | | | | | | | | | | | |
| 11.6 5.9 25.5 5.9 11.8 41.2 15.6 15.6 15.6 15.6 15.6 15.6 15.6 15.6 | 12 TO 86 | | | | | | | 100.0 | | | 4 | |
| 13.8 10.3 3.4 13.8 53.2 3.0 3.0 3.0 3.0 3.0 6.1 4.5 7.5 10.5 62.1 3.0 3.0 6.1 1.5 5.0 3.0 5.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 10.5 62.1 3.0 2.0 10.5 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 10.5 62.1 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2 | 7 10 81 | 11.8 | 2.9 | | | 5.9 | 11.8 | 41.2 | | | 1.1 | - |
| 3.0 0.1 4.5 3.0 3.6 10.6 62.1 3.0 3.0 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10 | 2 10 76 | | 13.5 | | | 3.4 | 13.8 | 55.5 | | 3.4 | 62 | 2.0 |
| 1.5 5.9 7.5 8.0 8.6 22.7 8.0 7.0 8.8 22.7 8.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1 | 7 10 71 | 3.0 | 1.0 | | | 7.6 | 10.6 | 62.1 | 3.0 | 3.0 | 99 | 5.6 |
| 2. | 2 70 66 | 1.5 | 5.3 | | | 3.6 | 22.7 | 43.9 | 203 | 9.6 | 132 | - |
| 1.5 2.9 10.1 13.9 18.3 7.3 7.0 2.2 30.0 273 1.0 1.0 1.0 2.3 4.0 1.0 2.3 4.0 1.0 2.3 4.0 1.0 2.3 4.0 1.0 2.3 1.0 2.3 2.4 4.4 4.4 22.4 4.4 4.4 22.4 22.4 | 7 10 61 | 6. | 6. | | | 10.4 | 12.2 | 9.62 | 205 | 19.2 | 213 | 18.9 |
| 1.6 12.4 19.3 13.3 4.6 1.8 2.3 99 43.6 123 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 | 2 10 56 | 1.5 | 6.2 | | - | 18.3 | 7.3 | 1.0 | 202 | 30.8 | 273 | 2.42 |
| 1. C. | 200 | 1.8 | 12.4 | | | 4.0 | 1.8 | 2.3 | 6. | 43.6 | 210 | 19: |
| G. 6.66 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | | 1.6 | 19.6 | | | 5.4 | | | | 36.0 | 125 | - |
| 16.7 33.3 16.7 | 0 00 | 4.4 | 6.7 | | | | | | | 0.09 | 63 | 4.0 |
| | 2 10 36 | 16.7 | 33.3 | | | | | | | 33.3 | 0 | 5. |
| | 7 10 31 | | | | | | | | | | | |
| | 2 70 26 | | | | | | | | | | | |
| | 7 10 21 | | | | | | | | | | | |
| | 2 70 16 | | | | | | | | | | | |
| | 10 11 | | | | | | | | | | | |
| | 10 6 | | | | | | | | | | | |
| | -3 TO 1 | | | | | | | | | | | |
| | -8 TO-4 | | | | | | | | | | | |
| | -13 TO -9 | | | | | | | | | | | |
| | -18 TO-14 | | | | | | | | | | | |
| | -23 TO-19 | | | | | | | | | | | |
| | -28 TO -24 | | | | | | | | | | | |
| | -33 TO-29 | | | | | | | | | | | |
| | -38 10-34 | | | | | | | | | | | |
| | -43 TO -39 | | | | | | | | | | | |
| | -48 TO -44 | | | | | | | | | | | |
| | -53 TO -49 | | | | | | | | | | | |
| | -58 10-54 | | | | | | | | | | | |
| | -59 & LV/R | | | | | | | | | | | |

NAVWEASERVCOM

| TEMPERATURE | |
|-------------------------|---|
| AIR | |
| P 0 | |
| NCY | 2 |
| TAGE FREQUENCY OF AIR 1 | |

WIND DIRECTION

MARCH MONTH

ALL

6

| | JAN 1973-DEC 1977 | - |
|---------------|-------------------|---|
| | 197 | |
| | -DEC | - |
| 200 | 1973 | |
| 2012 | MY | |
| NOTIONAL DATE | | - |
| | | 1 |

SANTA ANA, CALIFORNIA

93114 STATION

0

| TEMP. | 3 z | NNE | ENE | ESE | SSE | SSW | wsw 8 w | NNN 8 | CALM | TOTAL FRED. | % OF |
|------------|--|-------|------|------|------|------|------------|-------|------|----------------|------------|
| 1001 | | 31.5 | | 100 | 3 | | :: 5 | | | | |
| +221 | | 1 | 1 | 1 | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 111 OT 701 | | | | | | | | | | | |
| 102 TO 106 | 74 | | | | | | | | | | |
| 101 07 76 | The state of the s | | | | 1 | | | | | | |
| 92 10 96 | | | | | | | | | | | |
| 16 01 78 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | 100.0 | | | 1 | 1. |
| 18 01 77 | | | | | | 11.1 | | | | 6 | |
| 72 TO 76 | | 5.3 | | 5.3 | | 10.5 | | | | 10 | 1.5 |
| 17 07 79 | | 8.4 | | 3.2 | 12.7 | 11.1 | _ | | 1.9 | 63 | 5.1 |
| 62 TO 66 | 1.5 | 5.9 | 1.5 | 2.9 | 80 | 26.5 | _ | | 0.0 | 130 | 11.0 |
| 57 TO 61 | 2.8 | 4.3 | 5.5 | 4.6 | 15.2 | 22.7 | _ | | 13.5 | 282 | 22.7 |
| 52 TO 56 | 1.8 | 3.7 | 8.3 | 10.8 | 14.8 | 1.1 | | 2.8 | 30.8 | 325 | 2002 |
| 47 TO S1 | 2.5 | 7.0 | 6.6 | 18.6 | 5.0 | 4. | 4.5 | 1.2 | 8.06 | 242 | 19.5 |
| 42 TO 46 | 1.4 | 12.2 | 16.5 | 2.9 | 1.4 | | | 1. | 1.00 | 139 | 11.2 |
| 37 TO 41 | 4.3 | 4.3 | 30.4 | 8.7 | | | | | 25.2 | 23 | 1.9 |
| 32 TO 36 | | 100.0 | | | | | | | | - | 7: |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 10 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 70 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 10-19 | | | | | | | | | | | |
| -28 10-24 | | | | | | | | | | | |
| -33 TO-29 | | | 1.7 | | | | | | | | |
| -38 10-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 TO-44 | | - | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 10-54 | | | | | | | | | | | |
| -59 & LV/R | | | | | 1 | | | | | | |
| TOTALS | 2.0 | 2.6 | | 8.5 | 10.1 | 10.0 | 22.3 | 262 | 30.4 | | 1640 100.0 |

0

0

O

| ш. | |
|---|---|
| Œ | |
| \supset | |
| - | |
| 4 | |
| œ | |
| ш | |
| <u>_</u> | |
| ₹ | |
| 151 | |
| | |
| _ | |
| œ | |
| = | |
| ⋖ | |
| 11 | |
| = | |
| O | |
| > | |
| 0 | |
| ¥ | 5 |
| 5. | , |
| = | |
| \approx | |
| S | |
| ш | |
| Œ | |
| L | |
| | |
| 1.1 | |
| M | |
| GE | |
| AGE | |
| TAGE | |
| NTAGE | |
| ENTAGE | |
| CENTAGE | |
| RCENTAGE | |
| ERCENTAGE | |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | |

WIND DIRECTION

JAN 1973-DEC 1977

SANTA ANAS CALIFORNIA

93114 STATION

0

0

0

HOURS (L.S.T.)

APRIL

ALL

MONTH

2.02 1200 100.0 % OF TOTAL 1667 FREG. 18.0 18.0 18.0 180.0 100.0 30.0 8 . 2 0000 3 X X 8 58.3 52.9 62.7 1.0 1.8.3 23.7 24.1 wsw & w 25.0 WIND DIRECTION \$ 5 W 13.0 11.4 SSE & S 0.8 13.3 ESE & SE 19.5 2.0 9.0 33 EN W 2.9 22.09 NN W 1.0 0.1 2.0 1.1 NNW N -18 TO-14 -28 10-24 -33 10-29 -53 TO -49 -13 TO -9 -23 10-19 -38 10-34 -43 10-39 -48 10-44 -58 TO -54 -59 & LVAR 117 TO 121 112 70 116 101 01 76 92 10 96 82 TO 86 72 10 76 62 TO 66 57 10 61 52 10 56 42 TO 46 37 TO 41 27 TO 31 22 TO 26 17 10 21 TOTALS 111 07 701 16 01 78 77 TO 81 67 10 7: 47 10 51 32 10 36 -3 10 1 102 TO 106 12 70 16 -8 10-4 7 10 11 2 10 6 122+

0

NAVWEASERVCOM

0

| ш | |
|---|---|
| œ | |
| \supset | |
| 5 | |
| 2 | |
| Ш | |
| 0 | |
| Σ | |
| 쁜 | |
| _ | |
| Œ | |
| ⋖ | |
| L | |
| 0 | |
| > | |
| O | |
| Z | : |
| 3 | |
| ō | |
| M | |
| L | |
| - | |
| 3 | |
| ¥ | |
| - | |
| Z | |
| CE | |
| ĕ | |
| W | |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | |
| | |

VS. WIND DIRECTION

JAN 1973-DEC 1977

SANTA ANA, CALIFORNIA

93114 93114

Y Y

ALL

| r | | |
|---|-------|--|
| ı | | |
| ı | | |
| ı | | |
| ı | 10 | |
| ı | en. | |
| ı | en | |
| ı | 50 | |
| | S | |
| | 50 | |
| | SH | |
| | 584 | |
| | ARS | |
| | ARS | |
| | ARS | |
| | EARS | |
| | EARS | |
| | EARS | |
| | YEARS | |

| 1 | | |
|---|------------|--|
| | | |
| | | |
| | | |
| | | |
| , | | |
| , | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 10101010 | |
| | 10101010 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 1010101010 | |
| | | |
| | | |

| 122- | | | | | | WIND DIRECTION | CTION | | | | | |
|---|------------|-----|-------------|-----|-------------|----------------|------------|------------|-------|------|----------------|---------------|
| 1.2 1.2 2.4 2.9 13.0 00.0 100.0 20.0 10.0 10.0 10.0 10.0 1 | TEMP. | N Z | NNE 8 NE | S E | ESE & SE | SSE & S | SSW SSW | wsw & w | WNW & | CALM | TOTAL FREG. | % OF TOTAL |
| 1.2 1.2 2.4 2.9 13.0 79.7 7.7 84.6 1.00.0 1. | 122+ | | | | | | | | | | | |
| 1.2 2.4 2.9 13.0 2040 1.2 2.4 2.4 32.1 47.9 691 1.4 3.2 11.8 6.2 3.9 7.1 1.6 4.6 3.9 9.2 20.9 13.8 14.4 1.8 1.6 5.6 7.7 2.6 2.6 2.9 7.1 1.6 5.6 7.7 2.6 2.6 1.6 5.9 13.8 14.4 1.8 1.6 5.9 1.1 2.6 2.6 1.6 5.9 1.1 2.6 2.6 1.7 2.6 2.6 2.6 2.6 1.8 5.8 5.8 5.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13 | 117 TO 121 | | | | | | | | | | | |
| 1.2 | 112 70 116 | | | | | | | | | | | |
| 100.0 10 | 107 TO 111 | | | | | | | | | | | |
| 1.0 0.0 100.0 20.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 10.0 | 102 TO 106 | | | | | | | | | | | |
| 1.2 2.4 2.9 13.0 79.7 2.9 1.00.0 1.1 1.2 2.4 32.1 47.9 5.1 1.2 2.6 32.1 47.9 5.1 1.2 2.6 3.2 14.4 31.7 38.0 1.7 2.0 1.1 1.8 2.0 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 5.9 7.1 1.8 6.2 7.4 2.9 7.4 2.9 7.1 1.8 6.2 7.4 2.9 7.4 2.9 7.1 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1 | 97 10 101 | | | | | | | | | | - | |
| 100.0 10.0 | 92 10 96 | | | | | | 100.0 | | | | - | • |
| 10.2 | 87 10 91 | | | | | | | 100.0 | | | - | • |
| 1.0.2 1.0.2 2.4 32.0 79.7 84.6 19.7 10.2 10.4 30.1 10.4 10.4 10.4 10.4 10.4 10.4 10.4 1 | 82 TO 86 | | | | | | | 80.0 | 2000 | | • | 5. |
| 1.2 2.4 32.1 47.9 691 1.4 3.2 14.4 31.7 38.0 79.7 4.99 1.6 5 3.9 9.2 20.9 13.8 14.4 1.98 2.6 7.7 2.6 2.6 5.9 7.1 2.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 77 TO 81 | | | | | | 7.7 | 84.6 | 16. | | 5 | 0.1 |
| 1.2 2.4 32.1 47.9 09.1 1.6 .6 3.9 9.2 20.9 13.8 14.4 19.8 1.6 .6 3.9 9.2 20.9 13.8 14.4 19.8 2.6 7.7 2.6 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.6 7.7 2.6 2.6 2.7 2.6 2.6 27.4 2.9 | 72 10 76 | | | | | 5.9 | 13.0 | 19.7 | 667 | | 0 | 2.0 |
| 1.66 .66 3.9 9.2 20.9 13.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.6 11.8 14.8 14.8 14.8 14.8 14.8 14.8 14.8 | 17 07 79 | 1.2 | | 1.2 | | 5.4 | 32.1 | 6.14 | 100 | | 100 | 1300 |
| 1.6 .6 3.9 9.2 20.9 13.8 14.4 1.08 27.4 2.0 | 62 TO 66 | 1.6 | | *. | | 14.4 | 31.1 | 38.0 | | | 197 | 24.07 |
| 1.8 9.4 11.8 6.2 5.9 7.1 2.6 7.7 2.6 2.0 7.1 20.0 6 2.0 7.1 20.0 7.2 2.6 2.0 7.1 20.0 7.1 2.6 2.0 7.1 20.0 7.1 2.6 2.0 7.0 2.0 7.0 2.0 7.0 2.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7 | 19 01 75 | 1.6 | | | | 50.0 | 13.0 | 14.4 | 0 - 7 | | - | |
| 2.6 7.7 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 | 52 TO 56 | | | | 7 | 8.2 | 5.9 | 7.1 | | 25.7 | 7.00 | 1.3. |
| 20.0 | 12 07 74 | | 2.6 | | 2.5 | 2.6 | | | | 84.6 | 36 | 3.1 |
| 0.5 3.5 5.5 6.5 13.2 15.6 27.6 | 42 TO 46 | | | | 20.0 | | | | | 80.0 | • | • |
| 2 | 37 TO 41 | | | | | | | | | | | |
| 24 25 26 27 26 27 27 27 26 27 27 27 27 27 27 | 32 10 36 | | | | | | | | | | | |
| 200 200 200 200 200 200 200 200 200 200 | 27 10 31 | | | | | | | | | | | |
| 11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | 22 70 26 | | | | | | | | | | | |
| 114 124 23 24 29 29 29 29 29 29 29 29 29 29 29 29 29 | 17 10 21 | | | | | | | | | | | |
| 10. | 12 10 16 | | | | | | | | | | | |
| 11-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2- | 7 10 11 | | | | | | | | | | | |
| 101 00 303 605 1302 1500 2704 200 | 2 70 6 | | | | | | | | | | | |
| 1.1 .0 3.3 6.5 13.2 15.0 27.4 2:0 | -3 10 1 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 15.6 27.4 2:0 | -8 10-4 | | | | | | | | | | | |
| 101 00 303 605 1302 1500 2704 200 | -13 70 -9 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 15.6 27.4 2:0 | -18 TO-14 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 15.6 27.4 2:0 | -23 10-19 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.6 27.4 2:0 | -28 TO-24 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.6 27.4 2:0 | -33 10-29 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.6 27.4 2.0 | -38 TO-34 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.6 27.4 2.0 | -43 TO -39 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.0 27.4 2.0 | -48 10-44 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.6 27.4 2.0 | -53 10-49 | | | | | | | | | | | |
| 1.1 .6 3.3 6.5 13.2 18.6 27.4 2.0 | -58 TO-54 | | | | | | | | | | | |
| 101 00 303 503 1304 1500 6.00 001 | -59 & LWR | | | | | 1 | - 1 | | | - 1 | | 1228 190 0 |
| | TOTALS | | | | | - | | | 1 | - 1 | | |

()

*:

| Œ | |
|--|----|
| 2 | |
| A | |
| œ | |
| Ш | |
| 0 | |
| Σ | |
| ш | |
| _ | |
| œ | |
| ₹ | |
| 11 | |
| 0 | |
| - | |
| • | |
| 1 | |
| Š | 5 |
| ENC | SA |
| DENC | SN |
| COLENC | SA |
| REGUENC | SA |
| FREQUENC | SA |
| FREQUENC | SA |
| SE FREQUENC | SA |
| AGE FREQUENC | SA |
| TAGE FREQUENC | S> |
| NTAGE FREQUENC | 57 |
| ENTAGE FREQUENC | SA |
| RCENTAGE FREQUENC | 57 |
| ERCENTAGE FREQUENC | SA |
| PERCENTAGE FREQUENCY OF AIR TEMPERATUR | SA |

M

WIND DIRECTION

SANTA ANAS CALIFORNIA

93114 STATION

JAN 1973-DEC 1977

ALL

SUNT

WIND DIRECTION

NN N WSW & W

% OF TOTAL

SSW

SSE & S

ESE &

ENE &

NN &

≥ Z Z Z

CALM

FREG.

169 3.5

8.4 14.1 376

2.51

5.0 1.8 5.9 12.0 15.5

5.2

3.2

3.0

42 10 46

37 TO 41

47 TO 51

32 10 36

27 TO 31 22 10 26 17 10 21 12 70 16

1.1

17 07 79 62 TO 66 57 TO 61 52 10 56

100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

5.0

101 01 76

82 TO 86 18 OT 77 72 10 76

102 10 106

111 07 701

112 TO 116

17 70 121

122+

\$11.4

3.6

0

i 3

1200 100.0

8.42

5 . 2

32.1

10.0

8 . 4

4 . 8

2.8

1.03

-59 & LWR

-58 10-54

-38 TO-34

-43 TO-39 -48 10-44 -53 TO-49

-18 70-14 -23 10-19 -28 10-24 -33 10-29

-13 10 -9

4-018-

-3 10 1

NAVWEASERVCOM

| ш | |
|---|---|
| R | |
| F | |
| × | |
| Ü | |
| Ā | |
| E | |
| - | |
| <u>R</u> | |
| ~ | |
| F | |
| > | |
| O | |
| E N | , |
| \equiv | |
| E | |
| œ | |
| III. | |
| 3 | |
| Z | |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | |
| S | |
| 8 | |
| 3 | |
| - | |

WIND DIRECTION

JAM 1973-UEC 1977

SANTA ANA, CALIFURNIA

93114 STATION

4

0

HOURS (L.S.T.) ALL

*

| 122+ 11710121 11210116 10710111 10210106 9710 101 92 10 96 87 10 101 92 10 96 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 91 82 10 86 87 10 11 82 10 86 87 10 11 88 10 86 88 10 86 89 10 96 89 10 | ene | ESE | SSE | WSS | WSW | MNM | CALM | 10141 | % OF |
|--|-----|------|------|--------|-------|------|------|-------|------------|
| | 3 8 | & SE | 8.5 | & SW . | 3 8 | NN 8 | | FREO. | TOTAL |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | 100.0 | | | 2 | .2 |
| | | | | 44.4 | 44.4 | | | 100 | 1.5 |
| | 1.9 | | | 29.0 | 61.1 | 401 | | 34 | 4.4 |
| | 9. | | 4.5 | 22.1 | 6.99 | 200 | 5.6 | 154 | 12.4 |
| | 3. | 4. | | 18.3 | 58.1 | 9.0 | 7.5 | 142 | 19.4 |
| | | 9.6 | 10.5 | 19.7 | 30.6 | 962 | 28.0 | 304 | 24.5 |
| | | 7.0 | 19.6 | 14.0 | 10.9 | 7.7 | 38.0 | 387 | 31.2 |
| | | 6.3 | 0.8 | 1.3 | 1.3 | | 0.89 | 13 | 0.9 |
| 42 TO 51 42 TO 46 42 TO 46 42 TO 41 42 TO 36 42 TO 36 42 TO 36 42 TO 26 17 TO 11 2 TO 6 -3 TO 1 -8 TO -4 -18 TO -14 -23 TO -24 -38 TO -24 | ~ | | | | | | 80.0 | 2 | 4. |
| 42 TO 46 37 TO 41 32 TO 36 27 TO 31 22 TO 26 27 TO 31 22 TO 26 7 TO 11 2 TO 0 3 TO 0 3 TO 0 3 TO 0 4 | | | | | | | | | |
| 32 TO 41 32 TO 36 27 TO 31 22 TO 26 27 TO 31 12 TO 26 12 TO 26 7 TO 11 2 TO 6 2 3 TO 6 2 3 TO 6 2 3 TO 7 2 TO 6 2 3 TO 24 2 5 TO 24 2 5 TO 24 2 TO 25 2 TO 26 2 TO 27 | | | | | | | | | |
| 22 TO 36 22 TO 31 22 TO 26 22 TO 4 22 TO 6 23 TO 1 2 TO 6 23 TO 29 243 TO 24 23 TO 29 243 TO 29 243 TO 29 243 TO 29 25 TO 26 25 TO 26 26 TO 26 27 TO 27 28 TO 27 29 TO 27 29 TO 27 29 TO 29 20 T | | | | | | | | | |
| 22 TO 26 12 TO 26 17 TO 21 12 TO 16 2 TO 11 2 TO 11 2 TO 6 -3 TO 1 -8 TO -14 -13 TO -9 -18 TO -14 -23 TO -29 -43 TO -29 -43 TO -24 -43 TO -49 | | | | | | | | | |
| 22 TO 26 17 TO 21 2 TO 16 2 TO 11 2 TO 6 -3 TO 1 -8 TO -4 -18 TO -19 -23 TO -19 -33 TO -24 -43 TO -29 -43 TO -49 -53 TO -49 | | | | | | | | | |
| 17 10 21 12 10 16 1 10 11 2 10 6 -3 10 11 2 10 6 -3 10 14 -13 10 -9 -13 10 -9 -13 10 -9 -33 10 -24 -43 10 -39 -43 10 -49 -53 10 -49 -53 10 -49 -53 10 -54 | | | | | | | | | |
| 12 TO 16 2 TO 11 2 TO 6 -3 TO 1 -8 TO -4 -13 TO -9 -13 TO -24 -33 TO -29 -33 TO -29 -43 TO -49 -43 TO -49 -43 TO -49 -43 TO -49 | | | | | | | | | |
| 2 TO 11 2 TO 6 -3 TO 1 -8 TO -4 -11 TO -9 -13 TO -19 -23 TO -24 -33 TO -29 -43 TO -29 -43 TO -39 -43 TO -49 -43 TO -49 -43 TO -49 -43 TO -49 | | | | | | | | | |
| 2 TO 6 -3 TO 1 -8 TO -4 -13 TO -9 -18 TO -9 -23 TO -24 -33 TO -29 -33 TO -29 -34 TO -34 -43 TO -49 -43 TO -49 -43 TO -49 -53 TO -49 | | | | | | | | | |
| -3 10 1 -8 10-4 -13 10 -9 -13 10-19 -33 10-29 -33 10-34 -43 10-34 -43 10-49 -53 10-49 | | | | | | | | | |
| -8 10-4 -13 10 -9 -18 10-14 -23 10-29 -33 10-29 -43 10-34 -43 10-49 -53 10-49 -53 10-49 | | | | | | | | | |
| -13 10 -9 -18 10 -14 -23 10 -19 -23 10 -29 -33 10 -29 -43 10 -34 -43 10 -44 -53 10 -49 -53 10 -49 | | | | | | | | | |
| -18 10 - 14 -23 10 - 19 -23 10 - 24 -33 10 - 29 -43 10 - 34 -43 10 - 44 -53 10 - 49 -53 10 - 49 | | | | | | | | | |
| -23 10 - 49 -28 10 - 24 -33 10 - 29 -31 10 - 34 -43 10 - 44 -53 10 - 49 -53 10 - 49 | | | | | | | | | |
| -28 10-24 -33 10-29 -38 10-39 -43 10-44 -53 10-49 -58 10-54 | | | | | | | | | |
| -33 10 - 29 -38 10 - 34 -43 10 - 39 -53 10 - 49 -58 10 - 54 | | | | | | | | | |
| -38 10 - 34 -43 10 - 49 -53 10 - 54 -58 10 - 54 | | | | | | | | | |
| -43 10-39 -48 10-44 -53 10-49 -58 10-54 | | | | | | | | | |
| -48 10-44 -53 10-49 -58 10-54 | | | | | | | | | |
| -53 TO-49 -58 TO-54 | | | | | | | | | |
| -58 10-54 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TOTALS . 9 | 3.1 | 4.2 | 11.2 | 17.6 | 34.0 | 200 | 54.9 | 1240 | 1240 100.0 |

100

| TEMPERATURE | |
|----------------|----|
| AIR | |
| 9 | |
| FREQUENCY OF A | 5/ |
| RCENTAGE | |
| EN | |
| PERC | |

WIND DIRECTION

JAN 1973-DEC 1977

SANTA ANA, CALIFORNIA STATION NAME

93114 STATION

AUGUST

ALL

WIND DIRECTION

| YEARS | | | |
|-------|--|---|---|
| œ | | | |
| 4 | | | |
| | | | |
| Ant. | | | |
| > | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | • |
| | | | |
| | | | (|
| | | | 3 |
| | | | : |
| | | | ١ |
| | | | : |
| | | | (|
| | | | í |
| | | | ı |
| | | | 4 |
| | | ì | ٤ |
| | | | • |
| | | | 1 |

| YEARS | |
|-----------|--|
| | |

| - | |
|-----|---|
| 19 | |
| | |
| 1 | |
| a . | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | ۰ |
| | |
| | ı |
| | ٠ |
| | ì |
| | Į |
| | i |
| | 1 |
| | |
| | |
| | ł |
| | |
| | i |
| | ı |
| | |
| | |
| | ı |
| | • |
| | à |
| | ٠ |
| | 1 |
| | |

| EARS | | |
|------|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

| | | | | | WIND DIRECTION | NO. I O. | | | | | |
|------------|-----|------|-------|-------|----------------|----------|-------|------|-------|-------|-------|
| TEMP. | MNN | NNE | ENE | ESE | SSE | ssw | wsw | MNM | CALM | TOTAL | 30 % |
| | Z | & NE | 3 8 | & SE | 8.5 | & SW | × × | NN & | | FREO. | TOTAL |
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 10 116 | | | | | | | | | | | |
| 111 OT 701 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 10 96 | | | | | | | 100.0 | | | 2 | .2 |
| 19 07 78 | | | | | | 40.0 | | | | 2 | *. |
| 82 TO 86 | | | | | | 4.3 | | 4.5 | | 44 | 3.5 |
| 77 70 81 | | | | 9. | 1.07 | 13.3 | 76.1 | 309 | 404 | 180 | 14.5 |
| 72 10 76 | | | | 4. | 6.1 | 19.0 | | 20.3 | 1.0 | 522 | 181 |
| 17 07 79 | 1.0 | | 1.9 | 3.6 | 16.2 | 14.6 | | 9.7 | 26.0 | 308 | 24.8 |
| 62 10 66 | 1:1 | 2.8 | 1.6 | 3.1 | 14.6 | 3.9 | 10.6 | 161 | 49.6 | 337 | 28.8 |
| 57 TO 61 | | 3.7 | 0.3 | 80 | 3.7 | 3.7 | 6. | | 11.3 | 108 | 8.1 |
| 52 70 56 | | 10.0 | | | | | | | 0.06 | 10 | |
| 47 70 51 | | | | | | | | | 100.0 | - | -: |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 10 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 10 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 70 6 | | | | | | | | | | | |
| -3 70 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 70 -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 10-24 | | | | | | | | | | | |
| -33 10-29 | | | | | | | | | | | |
| -38 10-34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 10-44 | | | | | | | | | | | |
| -53 10-49 | | | - | | | | | | | | |
| -58 10-54 | | | | | | | | | | | |
| -59 & LWR | - | | - | | - 1 | | - 1 | 4.6 | 8 06 | | |
| TOTALS | | 6.7 | 4 . 0 | B . 4 | 10.0 | - 1 | 9 ,0 | | - 1 | | 2001 |

NAVWEASERVCOM

| (1) | |
|--------------------------------|---|
| æ | |
| $\overline{}$ | |
| - | |
| 4 | |
| œ | |
| Ш | |
| <u> </u> | |
| TEMPERATURE | |
| 끈 | |
| | |
| œ | |
| ₹ | |
| | |
| 7 | |
| U | |
| > | |
| $\overline{\circ}$ | • |
| ~ | |
| = | |
| 7 | |
| ш | |
| œ | |
| L | |
| 111 | |
| 5 | |
| ĕ | |
| - | |
| Z | |
| Ш | |
| 2 | |
| H | |
| PERCENTAGE FREQUENCY OF AIR TE | |
| 4 | |
| | |

WIND DIRECTION JAN 1973-DEC 1977

SANTA ANA CALIFORNIA

93114

HOURS (L.S.T.)

ALL

SEPTEMBER

| 1 | | |
|---|----|--|
| ١ | | |
| J | | |
| ١ | | |
| Į | | |
| ۱ | | |
| l | | |
| I | | |
| l | | |
| ۱ | S | |
| I | AR | |
| ١ | > | |
| ۱ | | |
| ١ | | |
| ۱ | | |

| _ | |
|---|---|
| 7 | ı |
| ć | |
| - | ۰ |
| L | |
| - | |
| • | ۱ |
| | |

| | | | | | WIND DIRECTION | CTION | | | | | |
|------------|------|-------------|------------|-------------|----------------|--------------|----------|-----------------|-------|----------------|---------------|
| TEMP. | NN W | NNE & NE | ENE ENE | ESE & SE | SSE & S | SSW SW SW | wsw % | > × × × × × × × | CALM | TOTAL FREQ. | % OF TOTAL |
| 122+ | | | | | | | | | | | |
| 1210171 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| (11 01 701 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | 4 | |
| 97 TO 101 | | | 33.3 | | | | 200 | | | 0 | 6. |
| 92 10 96 | | | 8.3 | | | | 83.3 | 6.3 | | 12 | 1.0 |
| 16 01 78 | 6.3 | 6.3 | | | | 25.0 | 56.3 | | 6.3 | 10 | 1.3 |
| 82 TO 86 | | | | | 100 | 11.6 | 81.4 | 0. | | 43 | 3.6 |
| 18 07 77 | 1.9 | 1.0 | 1.0 | | 1.0 | 19.2 | 70.2 | 1.99 | 3.8 | 104 | 8.7 |
| 72 70 76 | 1.9 | - | 1.0 | 2.4 | 8.2 | 18,8 | 53.1 | | 9.1 | 107 | 17.3 |
| 17 07 79 | 3.1 | 2.0 | 1.04 | 6.9 | 14.0 | 14.9 | 50.9 | 300 | 33.4 | 950 | 29.5 |
| 62 10 66 | 2.6 | | 5.5 | 1.6 | 10.5 | 4.8 | 10.0 | 3.8 | 53.0 | 313 | 20.1 |
| 57 10 61 | | 1.6 | 9.5 | 5.5 | 5.6 | 1.0 | 5.4 | | 75.2 | 120 | 10.5 |
| 52 TO 56 | | 8.4 | 4. | | | | - | | 6006 | 12 | 1.8 |
| 47 TO 51 | | | | | | | 27 | | 100.0 | 2 | 2. |
| 42 TO 46 | | | | | | | | | | | |
| 37 70 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 10 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 70 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 10-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 TO-44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | - | | ** | 101 | 4107 |
| TOTALS | 6.3 | 7.1 | 0.7 | * | 2.4 | 1 4.0 | 2006 | | | | 2001 |

0

0

NAVWEASERVCOM

| TEMPERATURE | |
|-------------|----|
| RIE | |
| OF AIR | |
| FREQUENCY | 78 |
| NTAGE | |
| ERCE | |

WIND DIRECTION

JAN 1973-DEC 1977

SANTA ANAS CALIFORNIA

93114 STATION

0

0

0

0

0

ALL

DCTUBER

| ì | | | | | |
|---|--|---|---|---|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | • | 2 | , | |
| | | 1 | = | : | |
| | | | L | , | |
| | | : | - | • | |
| | | ı | ۲ | • | |
| | | 1 | L | , | |
| | | ì | ī | 7 | |
| | | 4 | | • | |
| | | (| 2 | ٤ | |
| | | | - | • | |
| | | 1 | r | 3 | |
| | | 1 | 1 | _ | |
| | | | , | | |
| | | ı | ٠ | 4 | |
| | | 1 | 2 | 4 | |
| | | | | = | |
| | | 1 | ŧ | t | |
| | | • | | | |
| | | | | | |

| 0 | | |
|---|--|--|
| | | |
| | | |
| • | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| TEMP. | MNM | NNE | ene | 828 | 358 | wss. | wsw | WNW | CALM | TOTAL | 40 % |
|------------|-----|--|--|--|--|--|--|--|------|-----------|-------|
| | Z | N N | 3 8 | & SE | 8.5 | & 5W | 3 | NN & | | FREO. | TOTAL |
| 122+ | | | | | | | | | | | |
| 17 10 121 | | | | | | | | | | | |
| 112 70 116 | | | | | | | | | | | |
| 111 07 701 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 26 | | | | | | | 100.0 | | | - | • |
| 92 10 96 | | | | | | | 75.0 | 25.0 | | 5 | |
| 16 01 78 | | 6.9 | 6.3 | | 6.3 | 6.9 | 56.3 | | | 10 | 1. |
| 82 TO 86 | | | 62 | | | 1.1 | 16.9 | | 1.01 | 92 | 7 |
| 17 10 81 | 4.6 | 4.0 | 3.1 | | 3.1 | 2.9 | 9.49 | 101 | 7.9 | 69 | 2 |
| 72 70 76 | 1.6 | | | | 5.4 | 20.5 | 909 | | 1.1 | 121 | 10 |
| 17 07 79 | 2.2 | 2.6 | 2.6 | 1.1 | 6.01 | 14.3 | 6.94 | | 17.0 | 062 | 18. |
| 62 TO 66 | 3.7 | 6.3 | 8 | 7.4 | 6.6 | 6.6 | 10.2 | 502 | 36.1 | 526 | 92 |
| 19 01 72 | 1.5 | 5.3 | 11.5 | 10.1 | 12.2 | 3.1 | | 1.9 | 20.0 | 797 | 17 |
| 52 70 56 | 1.1 | 10.8 | 1.5 | 2.5 | . 3 | | | | 73.3 | 120 | 6 |
| 12 07 74 | | 3.6 | 16.1 | 3.4 | | | 1.8 | | 73.2 | 30 | * |
| 42 TO 46 | | | | 40.0 | | | | | 0.09 | 2 | • |
| 37 TO 41 | | 20.0 | 20.0 | | | | | | | • | • |
| 32 10 36 | | | | | | | | | | | |
| 16 01 12 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 10 21 | | | | | | | | | | | |
| 12 70 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 70 6 | | | | | | | | | | | |
| -3 70 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 10-24 | | | | | | | | | | | |
| -33 10-29 | | | | | | | | | | | |
| -38 10-34 | | | | | | | | | | | |
| -43 10-39 | | | | | | | | | | | |
| -48 TO-44 | | | | | | | | | | | |
| -53 10-49 | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| -59 & LVR | | | | | | | 1 | | | **** | - |
| TOTALS | 5.3 | 4.0 | 1. | 2.5 | 1. | 6.9 | 6.07 | 203 | 33.0 | 1240 100. | 100 |
| | | The second secon | The second secon | Company of the last of the las | · Control of the Cont | The state of the s | The state of the s | The state of the s | | | |

0

0

0

0

| Ш | |
|----------------------|-----|
| œ | |
| 2 | |
| 4 | |
| œ | |
| Ш | |
| 무 | |
| ī | |
| F | |
| Y OF AIR TEMPERATURE | |
| = | |
| • | |
| Ī | |
| O | |
| - | |
| - | |
| S | |
| ENC | 37 |
| DENC | 377 |
| CONENC | 377 |
| REGUENC | 377 |
| FREQUENC | 37. |
| FREQUENC | 27. |
| PERCENTAGE FREQUENCY | 3/1 |

VS. WIND DIRECTION

SANTA ANAS CALIFORNIA

93114 STATION

8

2

0

0

Q

0

0

AA

NOVEMBER

ALL

| Ā | | |
|-------|--|-----|
| | | |
| | | |
| YEARS | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | - |
| | | (|
| | | 9 |
| | | 9 |
| | | 0 |
| | | - |
| | | - |
| | | - |
| | | - |
| | | - |
| | | 0 |
| | | CHU |

| | | l |
|---|--------|---|
| | | 1 |
| | | |
| | | I |
| | - | Į |
| | 161 | ۱ |
| | 0 | l |
| | - | |
| | | |
| | U | ı |
| | w | ĺ |
| | 0 | J |
| | | ١ |
| | 73-DEC | 1 |
| • | - | ı |
| | 6 | l |
| | - | ١ |
| • | | 1 |
|) | Z | ı |

| | | WIND DIRECTION | ECTION | | | | |
|-----|-------------|----------------|-------------|------------|------------|------|----------------|
| N W | ESE & SE | SSE & S | SSW & SW | wsw 8 w | wnw wnw | CALM | TOTAL FREQ. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| 0 | TEMP. | NNN | NNE | ENE | ESE | SSE | SSW | wsw | www | CALM | TOTAL | % OF |
|--|------------|-----|------------|------|------|------------|------|--------|-------|-------|-------|-------|
| 9:0 | | Z | & NE | 8 E | & SE | 8.5 | & SW | ≥ ≪ | N N N | | FREO. | TOTAL |
| 9.1 3.6 1.4 6.8 1.4 6.3 4.3 50.6 10.0 10.0 11 11 11 11 11 11 11 11 11 11 11 11 11 | 122+ | | | | | | | | | | | |
| 9-1 | 121 07 711 | | | | | | | | | | | |
| 9-1 3-6 14-3 4-3 4-3 5-4 6-14 2-1 13 | 112 TO 116 | | | | | | | | | | | |
| 9-1 | 111 07 701 | | | | | | | | | | | |
| 9.1 54.5 9.1 11 13 | 102 TO 106 | | | | | | | | | | | |
| 9-1 | 101 01 26 | | | | | | | | | | | |
| 9.1 3.6 14.3 4.3 4.3 4.3 10.4 1 3.4 1 3.4 1 3.4 1 3.4 1 3.4 1 1 3.4 1 3. | 92 10 96 | | | | | | | 100.0 | | | 2 | .2 |
| 3.6 14.3 4.3 4.3 10.7 10.7 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 | 87 TO 91 | 9.1 | | 9.1 | | | 9.1 | 54.5 | 9:1 | 9.1 | 11 | 6. |
| 8.5 10.6 4.3 4.3 59.6 694 2.1 74 7.2 1.4 1.4 6.8 1.4 5.0 13.4 4.1 55.4 691 16.2 74 7.2 1.2 1.4 1.4 6.8 1.4 5.0 13.4 4.1 55.4 691 16.2 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 | 82 TO 86 | 3.6 | 3.6 | 14.3 | | | 7.1 | 60.7 | 10.7 | | 92 | 2.3 |
| 1.4 1.4 6.8 1.4 5.4 4.1 55.4 891 16.2 74 2.0 4.9 2.9 2.0 13.7 47.1 998 15.7 102 2.8 6.3 11.8 11.8 9.1 6.3 14.2 3.1 34.0 25.0 1.4 8.3 15.7 6.5 7.9 .5 2.8 2.8 2.8 54.2 210 3.0 10.0 19.0 5.0 5.0 5.0 10.0 55.0 100.0 1 3.0 10.0 25.0 5.0 5.0 5.0 100.0 1 10.0 25.0 5.0 5.0 5.0 100.0 1 10.0 25.0 5.0 5.0 5.0 100.0 1 10.0 25.0 5.0 5.0 25.0 100.0 1 10.0 25.0 5.0 5.0 25.0 100.0 1 10.0 25.0 25.0 25.0 25.0 25.0 25.0 100.0 1 10.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0 2 | 77 70 81 | | 10.6 | 4.3 | | 4.3 | 4.3 | 29.6 | 4.0 | 2.1 | 1.9 | 3.9 |
| 2.0 4.9 2.9 2.0 2.0 13.7 47.1 9.8 15.7 102 3.1 4.3 6.2 4.9 6.2 9.3 38.3 6.8 210 16.2 1.4 8.3 15.8 16.8 5.5 7.9 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 | 72 10 76 | 1.4 | 1.4 | 6.8 | 1.4 | | 4.1 | 55.4 | 1 6 | 16.2 | 74 | 2.0 |
| 3.1 4.3 6.2 4.9 6.2 9.3 38.3 6.8 21.0 152 2.8 6.3 11.8 11.8 9.1 6.3 14.2 3.1 34.5 254 15 12.0 15.7 6.5 7.9 1.3 2.8 1.1 59.0 150 3.0 10.0 19.0 5.0 5.0 2.0 100 55.0 100 50 2.0 25.0 5.0 5.0 5.0 100.0 100.0 1 2.0 25.0 5.0 5.0 5.0 100.0 100 2.0 25.0 5.0 5.0 5.0 100 100.0 1 2.0 2.0 2.0 2.0 2.0 2.0 100 100.0 1 2.0 2.0 2.0 2.0 2.0 2.0 100 100.0 100 2.0 2.0 2.0 2.0 2.0 2.0 2.0 100.0 1 | 17 07 79 | 2.0 | 4.9 | 2.9 | 2.0 | | 13.7 | 47.1 | 8 . 6 | 15.7 | 102 | 8.5 |
| 2.8 6.3 11.8 11.8 9.1 6.3 14.2 3:1 34.6 259 1.4 8.3 15.7 6.5 7.9 .5 2.8 2;8 54.2 210 3.0 10.0 19.0 5.0 5.0 2.0 19.0 55.0 10 3.0 10.0 19.0 5.0 5.0 5.0 10.0 10.0 10 3.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1 | 62 TO 66 | 3.1 | 4.3 | 6.2 | 6.4 | | 6.3 | 38.3 | 8 0 | 21.0 | 162 | 13.5 |
| 1.4 8.3 15.7 6.5 7.9 .5 2.8 29 59.2 210 3.0 10.0 19.0 5.0 5.0 5.0 10 55.0 100.0 20 3.0 10.0 19.0 5.0 5.0 5.0 100.0 20 3.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1 | 57 TO 61 | 2.8 | 6.3 | 11.8 | 11.8 | | 6.3 | 14.2 | 3:1 | 34.6 | 467 | 27.2 |
| 3.6 12.0 16.9 5.6 3.8 1.1 3.3 1.1 55.7 183 3.0 10.0 19.0 5.0 5.0 5.0 10.0 100.0 1 100.0 11.0 100.0 1 100.0 11.0 100.0 1 100.0 | 52 TO 56 | 1.4 | 100 | 15.7 | 6.5 | 4.9 | . 5 | 2.8 | 2 . 8 | 2005 | 917 | 18.0 |
| 6 9.0 10.0 19.0 5.0 5.0 25.0 19.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 10.0 20.0 2 | 47 TO 51 | | 12.0 | 16.9 | 4.5 | ero ero | 1.1 | 3.3 | 1 . 1 | 58.7 | 183 | 15.3 |
| 5.0 25.0 5.0 5.0 60.0 10 | 42 TO 46 | 3.0 | 10.0 | 19.0 | 5.0 | 2.0 | | 2.0 | 7.0 | 25.0 | 100 | 8.3 |
| 100.00 10 | 37 TO 41 | | 2.0 | 25.0 | 2.0 | 2.0 | | | | 0.09 | 20 | 1:1 |
| 1 | 32 70 36 | | | | | | | | | 10000 | - | 7. |
| 1 | 27 TO 31 | | | | | | | | | | | |
| 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | 22 TO 26 | | | | | | | | | | | |
| 1-1 1-2 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 | 12 00 21 | | | | | | | | | | | |
| 1-1 | 12 TO 16 | | | | | | | | | | | |
| 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | 7 70 11 | | | | | | | | | | | |
| 9.06 6.4 2.12 7.4 6.5 9.51 20.7 8.5 | 2 70 6 | | | | | | | | | | | |
| 9.06 Eth 2012 7.4 6.5 6.5 0.21 207 8.5 | -3 70 1 | | | | | | | | | | | |
| 3006 Eth 2012 7.4 6.5 6.5 0.21 20.7 E0.5 | -8 10-4 | | | | | | | | | | 10 | |
| 20.3 7.2 12.0 5.9 5.9 4.3 360¢ | -13 TO -9 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 3000 | -18 TO-14 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 30.0 | -23 TO-19 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 36.6 | -28 10-24 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 36.6 | -33 10-29 | | | | | | | | | | | |
| 203 702 1200 509 509 407 2102 403 3606 | -38 10-34 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 36.6 | -43 10-39 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4:3 36.6 | -48 10-44 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 36.6 | -53 70-49 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 36.6 | -58 10-54 | | | | | | | | | | | |
| 2.3 7.2 12.0 5.9 5.9 4.7 21.2 4.3 30.0 | -59 & LWR | | | 1 | | | | | | | | |
| | TOTALS | 2.3 | 7. | | 5.6 | | 4. | | * 3 | | 1400 | 0.001 |

0

8

E

| 2 | |
|---|-----|
| 5 | |
| A | |
| 2 | |
| ď | |
| E | |
| F | |
| Œ | |
| 4 | |
| P | |
| > | |
| | |
| 0 | v |
| ENC | > |
| DENC | ×> |
| REGUENC | ^ |
| FREQUENC | 27 |
| E FREQUENC | 27 |
| AGE FREQUENC | 74 |
| TAGE FREQUENC | 3/ |
| ENTAGE FREQUENC | NS. |
| RCENTAGE FREQUENC | NS. |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | 3/ |

| .5. | WIND DIRECTION | JAN 1973-DEC 1977 |
|-----|----------------|----------------------|
| | | SANTA ANA CALIFORNIA |
| | | SANTA |
| | | |

0

0

0

ALL

DECEMBER

| 25.0 25.2 2.3 2.1 2.1 2.2 2.1 2.2 2.3 3.4 4.8 10.9 10. | 33.4 | WNW CALM | FPFO. | % OF |
|--|------|----------|-------|------|
| 25.0 2.2 2.3 2.3 2.4 2.5 2.1 2.1 2.1 2.1 2.1 2.2 3.4 10.5 10.5 10.6 | + | | | |
| 2.5 2.5 3.5 1.1 6.5 3.5 2.3 3.5 2.4 1.4 12.6 13.6 13.6 13.6 12.1 2.6 2.5 2.5 2.6 11.6 13.6 12.6 2.6 11.6 13.6 12.6 2.6 11.6 13.6 13.6 13.6 13.6 13.6 13.6 13 | + | | | |
| 2.2 2.2 13.0 1.1 6.5 5.7 23.3 2.2 23.3 2.2 13.0 10.3 7.5 13.0 12.3 2.5 2.5 13.0 12.5 2.6 11.6 13.6 13.6 13.6 13.6 13.6 13.6 13 | | | | |
| 2.0 2.1 2.2 2.2 2.3 2.1 2.1 2.1 2.1 2.1 3.9 4.8 12.0 2.1 3.9 4.8 12.0 13. | | | | |
| 2.0 25.0 2.0 2.3 3.5 2.1 3.4 15.6 13.6 13.6 12.2 2.1 3.4 12.6 13.6 13.6 12.6 2.0 11.6 19.8 7.3 3.9 2.6 11.6 19.8 7.3 3.9 2.6 11.6 19.8 7.3 3.5 2.6 11.6 19.8 7.3 3.5 2.7 2.1 3.4 20.7 4.9 | | | | |
| 25.0 25.0 25.2 25.2 25.2 25.3 | | | | |
| 25.0 25.5 2.2 2.2 13.0 1.1 6.5 6.7 2.3.3 2.4 10.3 7.5 13.0 12.3 5.7 2.0 12.2 2.0 12.5 2.0 12.5 13.0 12.5 2.0 12.5 2.0 12.5 13.0 12.5 2.0 13.0 12.0 25.2 2.8 3.5 .7 2.0 13.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12 | | | | |
| 25.0 23.5 23.5 23.5 23.3 23.3 23.3 23.3 23.3 | | | | |
| 25.0 25.5 25.5 25.5 25.2 25.3 25.5 25.1 25.2 25.1 35.4 10.3 7.5 13.0 12.5 5.1 35.2 5.1 35.2 5.5 13.6 12.5 5.5 13.6 12.5 5.5 13.6 12.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13 | | | | |
| 2.2 | | 25.0 | 3 | .3 |
| 2.2 | 52.9 | | | 1.4 |
| 2.2 | 80 . | | | 3.5 |
| 2.1 3.4 10.3 7.5 13.0 12.8 3.9 4.8 12.2 6.1 11.4 12.2 3.2 0.5 15.8 13.6 12.1 2.0 1.4 14.0 25.2 2.8 3.9 .4 1.4 13.4 20.7 4.9 3.5 .7 | 51.1 | | | 4.4 |
| 3.9 4.8 12.2 5.1 11.4 12.2 3.5 2.6 3.5 2.0 11.6 19.8 7.3 3.9 11.6 19.8 7.3 3.9 11.6 19.8 7.3 3.9 11.6 19.8 7.3 3.9 11.6 19.8 7.0 25.2 2.8 3.5 11.6 19.8 7.0 25.2 2.8 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2 | 37.0 | | | 11.8 |
| 2.6 11.6 19.8 13.3 12.1 2.0 2.5 2.8 3.5 2.4 14.0 25.2 2.8 14.0 2.0 14.0 2.0 14.0 2.0 14.0 2.0 14.0 2.0 14.0 2.0 14.0 2.0 14.0 2.0 14.0 | 10.2 | | | 18.3 |
| 2.6 11.6 19.8 7.3 3.9 .4 1.4 14.0 25.2 2.8 3.5 .7 2.4 13.4 20.7 4.9 2.5 .7 4.0 2.5 .7 4. | 4.2 | | | 19.9 |
| 2.6 13.4 20.7 4.9 3.5 2.6 13.4 20.7 4.9 | 1.3 | | | 18. |
| 6.9 6.9 | | 52.4 | 143 | 5:11 |
| 20 23 23 24 25 | | 58.5 | 28 | 9.0 |
| 7 TO 31 2 TO 26 7 TO 21 2 TO 16 1 TO 11 2 TO 6 2 TO 1 2 TO 1 2 TO 1 2 TO 2 2 TO | | 100.0 | 2 | 5. |
| 12 TO 26 12 TO 21 12 TO 21 13 TO 11 14 TO 11 15 TO 1 16 TO 11 16 TO 1 17 TO 1 17 TO 1 18 TO -4 18 TO -14 18 TO -14 18 TO -14 18 TO -19 18 TO -24 18 TO -24 18 TO -24 18 TO -24 | | | | |
| 2 TO 21 21 2 TO 14 2 TO 17 2 TO 17 2 TO 17 2 TO 6 2 TO 6 2 TO 6 2 TO 6 2 TO 1 2 TO 1 2 TO 18 2 TO 19 2 TO | | | | |
| 2 TO 16 1 TO 6 1 TO 6 2 TO 11 1 TO 6 1 TO 0-4 1 TO 0-9 1 TO 0-19 2 TO 19 2 TO 24 4 TO 24 4 TO 24 2 TO 24 | | | | |
| 2 TO 6 2 TO 6 2 TO 1 1 TO 1 1 TO 1 1 TO 1 2 TO 2 2 TO 19 2 TO 2 2 2 TO 2 2 3 TO 2 2 4 TO 2 2 4 TO 2 2 4 TO 2 4 5 TO 2 4 | | | | |
| 2 TO 6 2 TO 1 2 TO 1 2 TO 1 13 TO -9 13 TO -19 28 TO -24 23 TO -29 43 TO -39 43 TO -49 | | | | |
| 23 10 1 810-4 13 10 -9 23 10 -19 23 10 -29 23 10 -34 43 10 -34 43 10 -49 | | | | |
| 8 TO - 4 13 TO - 9 18 TO - 14 23 TO - 19 23 TO - 29 23 TO - 29 43 TO - 39 43 TO - 49 23 TO - 49 | | | | |
| -13 TO -9 -18 TO -14 -23 TO -19 -23 TO -24 -43 TO -34 -43 TO -44 -45 TO -44 -45 TO -44 | | | | |
| -18 10-14 -23 10-19 -28 10-24 -33 10-29 -43 10-34 -45 10-44 -25 10-49 | | | | |
| -23 10–19 -28 10–24 -33 10–29 -43 10–34 -48 10–44 -50 10–49 | | | | |
| -28 10 - 24 -33 10 - 29 -43 10 - 39 -43 10 - 44 -53 10 - 44 | | | | |
| 33 10–29 38 10–34 43 10–39 53 10–44 | | | | |
| -38 TO34 -43 TO44 -53 TO49 | | | | |
| -43 TO -49 -53 TO -49 | | | | |
| -48 TO-44 -53 TO-49 | | | | |
| -53 TO-49 | | | | |
| | | | | |
| -38 10 - 54 | | | | |
| -99 & LVM | | | | |

NAVWEASERVCOM

0 0 0 0

4.8 8.8 14.0

947

| 111 | |
|---|-----|
| ₩. | |
| Œ | |
| \mathbf{z} | |
| | |
| _ | |
| ⋖ | |
| œ | |
| 111 | |
| _ | |
| О. | |
| 2 | |
| III | |
| _ | |
| | |
| ~ | |
| " | |
| = | |
| • | |
| 11 | |
| - | |
| 0 | |
| | |
| | |
| > | |
| Ç | |
| VCY. | |
| ENCY | 200 |
| ENCY | 200 |
| UENCY | 200 |
| QUENCY | 200 |
| EQUENCY | 200 |
| REGUENCY | 277 |
| REQUENCY | 200 |
| FREQUENCY | 377 |
| FREQUENCY | 377 |
| E FREQUENCY | 277 |
| GE FREQUENCY | 377 |
| AGE FREQUENCY | 377 |
| AGE FREQUENCY | 377 |
| TAGE FREQUENCY | 377 |
| NTAGE FREQUENCY | 3/1 |
| ENTAGE FREQUENCY | 3/1 |
| SENTAGE FREQUENCY | 3/1 |
| CENTAGE FREQUENCY | 277 |
| RCENTAGE FREQUENCY | 3/1 |
| ERCENTAGE FREQUENCY | 3/1 |
| PERCENTAGE FREQUENCY | 277 |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | 277 |

WIND DIRECTION

JAN 1973-DEC 1977

SANTA ANAS CALIFORNIA

93114 STATION

STATION NAME

ALL

% OF TOTAL

TOTAL FREQ.

CALM

HOURS (L.S.T.) ALL

MONTH

| | | _ | _ | _ | _ |
|----------------|-------------|---|---|---|---|
| | W W W | | | | |
| | W S W | | | | |
| ECTION | 55W & 5W | | | | |
| WIND DIRECTION | SSE AS | | | | |
| | i.e Se | | | | |

ENE

NNE S NE

N Z

TEMP. 122+

| wsw | ≫ | | 100.0 | 80.0 | 85.7 | 58.4 | 72.8 | 61.9 | | 39.0 | 25.3 | 15.6 | 8.4 | 5.4 | . 3 |
|-----|----------|--|-------|------|------|------|------|------|------|------|------|------|------|------|-----|
| SSW | & SW | | | | 3.6 | 19.1 | 13.4 | 15.0 | 17.8 | 17.0 | 15.1 | 11.2 | 4.9 | 6. | 7. |
| SSE | \$ 5 | | | | | 2.2 | 1.2 | 2.5 | 5.6 | 10.9 | 13.9 | 14.2 | 11.5 | 4.3 | 2.5 |
| ESE | & SE | | | | | | | | | 3.3 | 3.0 | 80 | 1001 | 11.5 | 4.3 |

1.6

102 TO 106

111 OT 701

101 01 76

112 TO 116

17 10 121

92 10 96

16 01 78 82 TO 86 18 OT 77 72 10 76

2.1

. 4 60 O

0

2.1

17 07 79

0

52 TO 56

42 TO 46

47 TO 51

| | 3.6 | 19.1 | 13.4 | 15.0 | 17.8 | 17.0 | 15.1 | 11.2 | 4.0 | | -: | | |
|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 2.2 | 1.2 | 2.5 | 5.6 | 10.9 | 13.9 | 14.2 | 11.5 | 4.3 | 2.5 | | |
| | | | | - | | 3.3 | 20 | 60 | 1001 | 11.5 | 4.3 | 3.7 | 5.6 |
| 20.0 | 3.6 | 2.2 | 5.4 | 2.7 | 1.4 | 2.2 | 3.1 | .3 | 11.8 | 15.0 | 18.1 | 24.2 | 15.4 |

19.0

-6-

| 14.2 | 11.5 | 4.3 | 2.5 | | | | | | |
|------|-------------|---------------|---|--|--|--|--|---|---|
| (a) | 10.7 | 11.5 | 4.3 | 3.7 | 5.6 | | | | |
| .3 | 11.8 | 15.0 | 18.1 | 24.2 | 15.4 | | | | |
| 3.1 | 5.7 | 00 | 12.9 | 13.2 | 28.2 | 100.0 | | | |
| 1.8 | 1:1 | 2.0 | 2.0 | 3.3 | 1:1 | | | | |
| | 3.1 7.3 8.3 | 5.7 11.6 10.7 | 3.1 7.3 8.3 5.7 11.8 10.7 8.9 15.0 11.5 | 3.1 7.3 5.7 11.6 8.9 15.0 12.9 18.1 | 3.1 7.3 8.3 5.7 11.6 10.7 8.9 15.0 11.5 12.9 18.1 4.3 | 3.1 7.3 8.3 5.7 11.6 10.7 8.9 15.0 11.5 12.9 18.1 4.3 13.2 24.2 3.7 28.2 15.4 2.6 | 3.1 7.3 8.3 5.7 11.6 10.7 8.9 15.0 11.5 12.9 18.1 4.3 13.2 24.2 3.7 28.2 15.4 2.6 | 3.1 7.3 8.3 5.7 11.6 10.7 8.9 15.0 11.5 12.9 18.1 4.3 13.2 24.2 3.7 28.2 15.4 2.6 100.0 | 3.1 7.3 8.3 5.7 11.6 10.7 8.9 15.0 11.5 12.9 18.1 4.3 13.2 24.2 3.7 28.2 15.4 2.6 100.0 |

| | 24.2 | 15.4 | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|---------|--------|---------|
| | 13.2 | 28.2 | 100.0 | | | | | | |
| 2 | 3.3 | 1:1 | | | | | | | |
| 42 TO 46 | 37 TO 41 | 32 TO 36 | 27 TO 31 | 22 TO 26 | 17 10 21 | 12 TO 16 | 7 10 11 | 2 10 6 | -3 10 1 |

| 17 10 21 | 12 TO 16 | 7 10 11 | 2 10 6 | -3 10 1 | -8 10-4 | -13 TO -9 | -18 TO-14 | |
|----------|----------|---------|--------|---------|---------|-----------|-----------|--|

| - | 4 | 6- | -14 | 61- | -24 | -29 | -34 | -39 |
|---|---|----|-----|-----|-----|-----|-----|-----|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| 10-14 | 10-19 | 3 10-24 | 3 10-29 | 3 TO-34 | 3 TO -39 | 3 TO-44 | 3 70-49 | 8 70-54 | |
|-------|-------|---------|---------|---------|----------|---------|---------|---------|--|

NAVWEASERVCOM

14604 100.0

31.2

3.0

2.62

11:1

9.6

1.0

.5

6.4

1.8

TOTALS

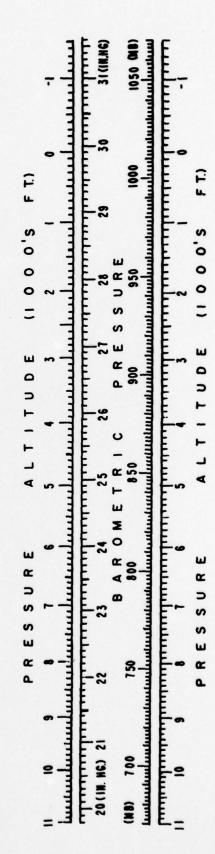
PART F

PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly symoptic times GCT. The same computations are also provided at the bottom of the page Presented in this part are two tables giving the means, standard deviations, and total number of observations period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

| | | | | | SEA | A LEVEL | PRES | SURE IN | N I I I | FROM I | HOURLY | OBSERVATION | ATIONS | |
|-------------------|----------------------------|--|------------------------|------------------------|-------------------------|-----------------------|-------------------------|------------------------|------------------------|-------------------------------|------------------------|------------------------|-------------------------|-------------------------|
| \$3114 STATION | 1 | SAN'A ANA | CAL | I FORN I A | | | 13- | " | | YEARS | | | 1 | |
| HRS.(1.5.T.) | | JAN. | FEB. | MAR. | APR. | MAY | , NOT | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 10 | S. D. TOTAL OBS | 1018.31018.6 3.585 3.467 155 141 | 1018.6 3.467 141 | 10 | 1015.9 2.819 150 | 2.377 | 2.319 | 1013.2 1.994 155 | 1013.3 1.910 155 | 1012.9 2.206 150 | 1014.9 2.362 155 | 1016.5 3.342 150 | 1016.1 3.124 155 | 1015.4 3.532 1826 |
| * | MEAN S. D. TOTAL OBS | 3.725 3.496 155 141 | 3.496 141 | 3.721 | 1015.3 2.838 150 | 2.401 | 2.330 | 1013.0 | 1013.1 | 1012.5 2.244 150 | 2.357 2.357 | 3.356 150 | 3.178 | 1015.0 3.521 1826 |
| 0.0 | S. D. TOTAL OBS | 3.729 3.561 155 141 | 3.561 | 1016.2 3.842 155 | 1016.4 2.853 150 | 2.467 | 1013.2 2.299 150 | 1.97 | 7 1.963 | 2.278 | 2.400 | 3.380 | 1018.6 3.156 155 | 3.485 |
| 10 | S. D. TOTAL OBS | 3.541 3.51 155 14 | 3.514 3.514 141 | 1017.0 3.793 158 | 1016.7 2.816 150 | 2.442 | 1013.4 2.331 150 | 1014.1 1.952 155 | 1.956 | 1013.9 2.410 150 | 1015.9 2.444 155 | 3.385 | 1019.6 3.173 155 | 1016.4 |
| 13 | S. D. TOTAL OBS | 3.514 | 3.514 3.468 155 141 | 3.650 | 1015.6 2.703 150 | 2.371 | 1012.51 2.351 150 | 1.879 | 1.968 | 2.379 | 2.382 | 101 | 3.135 | 3.375 |
| 16 | S. D. TOTAL OBS | 3.584 3.278 155 141 | 3.278 | 3.59 | 71014.61 | 2.272 | 2.317 2.317 150 | 1012.2 | 1012.1 2.024 155 | 2.343 | 2.404 | 3.339 | 3.076 | 3.433 |
| 13 | S. D. TOTAL OBS | 3.710 3.334 155 141 | 1018.0 3.334 141 | 3.681 | 1015.0 2.696 150 | 2.279 | 1012.01 2.316 150 | 1.928 | 1012.3 2.002 155 | 1012.1 | 1014.3 2.381 155 | 3.509 150 | 3.139 | 3.585 |
| 22 | S. D. TOTAL OBS | 3.666 3.450 155 141 | 3.450 141 | 3.723 | 1016.01 2.793 150 | 014.6 2.335 154 | 1013.0 2.353 150 | 1013.61 | 1.942 | 2.236 | 1015.1 2.322 155 | 11016.9 | 1016,3 3,143 155 | 3.527 |
| ALL | S. D. TOTAL OBS | 3.733 3.510 | 3.510 | 3.767 | 2.846 2.120 | 423 | 1012.510 2.378 2 | 2.037 | 2.079 | 1012.7101 2.398 2. 1200 | 2.494 | 3.474 | 1018.0 3.226 1240 | 3.581 |

000000

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

| 93114 | 40 | DEN I BAND | | | | | | | | | | | | |
|--------------|-----------|---------------|-------------|------------|--------|--------|---------|--------|--------|--------|---------|---------|--------|--------|
| STATION | | | STAT | ATION NAME | | | | | | YEARS | | | | |
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 30.009 | .00990.0132 | 29.9442 | 6.6 | 9.88 | 9.84 | 9.85 | 6 | 6 | 9.910 | 29.956 | 90.00 | 29.92 |
| 10 | S. D. | .109 | .103 | .111 | 480. | 110. | 690 | 090. | .05 | 990. | .071 | 0 | .093 | .105 |
| , | TOTAL OBS | 155 | 141 | | 150 | 8 | 15 | 15 | | 150 | - | - | 155 | 1826 |
| | MEAN | 30.00130.0012 | 10.001 | 29.9222 | 9.9202 | 9.8732 | 0 | 6 | 9.8542 | 6 | 9.898 | 29.948 | 29.996 | 29.911 |
| 40 | S. D. | .110 | 103 | .11 | 480. | 170. | 070 | .059 | .057 | • | • | 660. | • | |
| , | TOTAL OBS | 155 | | | 150 | 155 | 150 | | 155 | 150 | 15 | 150 | 15 | 1826 |
| | MEAN | 30.01830.0222 | 10.022 | 29.9482 | 9.9512 | 6 | 5 | 9.8812 | 9.8832 | 9.8692 | 19.9242 | 9.974 | 30.015 | 29.937 |
| 20 | S. D. | 0110 | 105 | • | .084 | .073 | 690 | .059 | .05 | • | - | .100 | 60. | .10 |
| 5 | TOTAL OBS | 155 | | 1 | 150 | 155 | 150 | 155 | 155 | 150 | 155 | 150 | 155 | 1826 |
| | MEAN | 30.05330.0502 | 30.050 | 29.9712 | 9.9612 | 9.905 | 29.8632 | 9.8762 | 9.88 | 9.8772 | 9.939 | 29.995 | 30.047 | 29.952 |
| 10 | S. D. | 107 | 104 | .111 | .083 | .072 | .07 | 660 | .058 | 0 | • | .100 | | |
| | TOTAL OBS | 155 | 141 | | 150 | 155 | 150 | 155 | 2 | 150 | 2 | 150 | 2 | 2 |
| | MEAN | 29.98629.9992 | 666.60 | 6 | 9.9282 | 9.8832 | 0 | 9.8592 | 9.8572 | 9.8352 | 9.882 | 29.931 | 29.979 | 29.90 |
| 13 | S. D. | 106 | 100 | • | 080 | 170. | 070 | .05 | .05 | 100 | .07 | 860. | • | • |
| : | TOTAL OBS | 155 | | | | 155 | 150 | 155 | 155 | 150 | 155 | 150 | 155 | 1826 |
| | MEAN | 29.97129.9742 | 476.6 | 0 | 0 | 9.85 | 0 | 9.82 | | 9.8 | 9.80 | 16.6 | 9.6 | 29.889 |
| 16 | S. D. | .106 | 160. | .106 | .079 | | | | 90. | - | 210. | 660. | • | |
| | TOTAL OBS | 155 | | 155 | | 5 | | 15 | 2 | 150 | 15 | 72 | 15 | 82 |
| | MEAN | 29.99829.9932 | 666.6 | 0 | 9.9112 | 9.868 | 29.8232 | 8 | 9.8322 | 6 | 9.89 | 29.9452 | 9.68 | 29.903 |
| 19 | S. D. | .110 | 860. | | .080 | 190. | .068 | .057 | .05 | | .07 | 9: | 0 | |
| | TOTAL OBS | 155 | | | | 155 | 150 | 15 | 2 | 150 | 15 | 130 | 2 | 1826 |
| | MEAN | 30.0213 | 30.020 | .94 | 9.9412 | 9.89 | 29,8512 | 9.8692 | 9.86 | 9.853 | 29.9142 | 9.966 | 30.007 | 29.92 |
| 22 | S. D. | .108 | .102 | .110 | .081 | 0 | .070 | • | .057 | • | 690. | .104 | .093 | 2 |
| | TOTAL OBS | 181 141 | 141 | 2 | 150 | 154 | 150 | 5 | 155 | | - | = | 155 | 1825 |
| - | MEAN | 30.00730.0102 | 30.010 | 29.9362 | 9.9312 | 9.884 | 29.8412 | 9.8572 | 9.8582 | 9.844 | 6 | 29.9543 | 10 | 29.91 |
| HOURS | S. D. | .110 | .103 | 111 | *80. | .072 | .071 | 190. | 290 | .072 | 076 | .103 | 960. | |
| | TOTAL OBS | 1240 | 1 | 1 | 1200 | 1237 | 1400 | 1740 | 1240 | 0071 | | 1200 | 0691 | 1900 |